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The CHEMIST AND DRUGGIST

RETAILER - WHOLESALE - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2

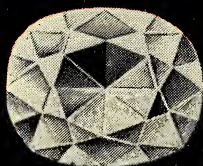
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423
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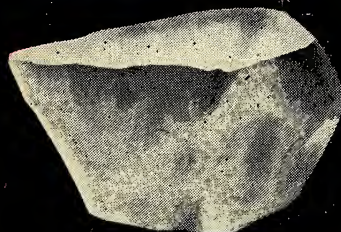
SEPTEMBER 15, 1945

Annual Subscription (with
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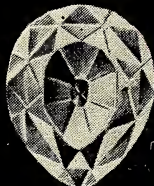
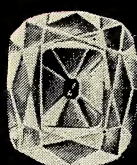
FAMOUS DIAMONDS...



The 'KOH-I-NOOR'
Presented to Queen
Victoria in 1850...



The 'CULLINAN'
(Rough stone)
Discovered in 1905



Two of the many gems
cut from The Cullinan, -
the world's largest diamond



The world famous **RED DIAMOND**
Trade Mark of -

BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED LONDON. E.6

C & D

The
**PARKE-DAVIS
EMERGENCY
PRICE LIST
1945**

is now available and is offered free, on request. Applications for a copy should be specially addressed to the Publications Dept., Parke, Davis & Co., 50 Beak Street, London, W.1, and should be accompanied by a 1d. stamp in order to satisfy the requirements of the Control of Paper Order.

Owing to the necessarily limited number published, only one copy of this list per pharmacy can be supplied.



PARKE, DAVIS & CO.
50 Beak Street,
LONDON, W.1
Inc. U.S.A., Liability, Ltd.

Back home . . .

Back home . . . What memories the words recall, memories soon to be translated into reality for thousands of people!

We are among the lucky ones. After nearly five years' exile in the country, those departments which were evacuated to High Wycombe are now back home in London.

The last people to return, the Accounts Department, including the Order Section, have now settled down and an immediate practical result of this is a speeding up of our service to customers.

Those delays, which have proved so tiresome in the past, will now, we hope, be reduced to a minimum.

It should be noted, therefore, that all correspondence, orders and remittances should now be sent to our Head Office.

Milton posters can now be seen on main line railway stations and on the London Underground. They are reminding many people of the virtues of this great antiseptic. See that your stocks are adequate for the demand.

P.A.T.A.

MILTON ANTISEPTIC LTD.

10/12 BREWERY ROAD, LONDON, N.7

★ **Take the short cut!** ★

This may well be Britain's hardest winter, from the food point of view. Nevertheless, no one need go short of fats and vitamins, because there is now plenty of home-produced SevenSeaS.

But supplies must be where the public can get them — in the shops. Last winter many dealers had to refuse custom because supplies had not reached them, though there was no shortage of the oil itself. Transport and manpower difficulties were to blame, and these are not likely to be greatly eased in the near future.

Take the short cut — via our Direct Delivery Service. That way, you get supplies with the minimum of delay. Orders are sent direct from our Hull refinery to you, and charged through your usual wholesaler.

SevenSeaS advertising starts in September

September will see the start of a widespread press advertising campaign. These advertisements will remind the public that SevenSeaS — a far richer natural source of fats and vitamins than butter or new laid eggs — is the only unrationed priority food they will be able to buy this winter.

This advertising, plus the public's undoubted awareness of the great nutritive value of cod liver oil, is likely to start a very early demand for SevenSeaS. We urge you to order in good time. Please write direct to us for order forms.

STANDARD OIL: Vitamin A 20,000 I.U.; Vitamin D 2,500 I.U. per ounce.

CONCENTRATED: Vitamin A 60,000 I.U.; Vitamin D 6,000 I.U. per ounce.

Issued by

**BRITISH COD LIVER OIL PRODUCERS (HULL) LTD.
ST. ANDREW'S DOCK, HULL**

Makers of

SevenSeaS



MEDICAL **EVANS** SUPPLIES

Super-Suspensible **BISMUTH CARBONATE**

A light Bismuth Carbonate which is not excessively bulky in the dry state but diffuses perfectly in a fluid mixture giving a prolonged and homogeneous suspension. Even after long standing it is readily re-diffused.

Evans Super-Suspensible Bismuth Carbonate is consistent in density and maintains a standard of purity which meets the demands of all pharmacopœias.

EVANS SONS LESCHER & WEBB LTD

FINE CHEMICALS • BIOLOGICALS • PHARMACEUTICALS

ASK YOUR
CHEMIST...



IN our press advertisements we advise women to ask their chemist for a copy of "Hygiene for Women," by Nurse Drew.

50,000 direct applications prove women are vitally interested in feminine hygiene.

If you have not a good supply of these popular booklets for counter display then you are not getting your share of the ever-growing demand for the various Rendell's Products.

Why not write us today for a supply of our latest Chemist Display Aid?

Rendell
PRODUCTS

P.A.T.A.

FOR FEMININE HYGIENE

W.J. RENDELL LTD · HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON, E.C.

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The 'FINGER TIP'

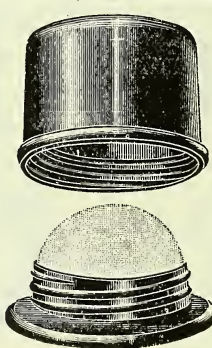
BOTH NOW IN PLASTIC CASES

11/- per dozen



The '45° DOME

2 sizes, 10/6 & 12/- doz.

The 'VICTORY'
Wood Case8/6, 9/-, 10/6, 12/-
dozen**Delivery IS IMPROVING, however book early to avoid disappointment**

FROM ALL LEADING SUNDRIES HOUSES OR FROM US

M. J. FECHER, LTD., 121 High Street, SLOUGH Phone : SLOUGH 2186

In constant demand!



What is your stock position? Is it time you ordered again? Supplies are unlimited. By ordering well in advance you will lessen the risk of being out of stock through unavoidable delivery delays, and, at the same time, assist us to arrange an equitable distribution of available supplies. VENO, THERMOGENE, PHENSIC are firmly established, quick-selling, profitable lines. Order well ahead!

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CHESTER ROAD · MANCHESTER 16

ALLIED LABORATORIES LTD. *Manufacturing Chemists*

140 PARK LANE
LONDON W.1.



The company's products include the following Nationally and Medically advertised lines, all conforming to the highest ethical standards.

ANTOIN for Rheumatism, Neuritis, Neuralgia, Fibrositis, etc.

ASMOTIL for Asthma, Bronchitis, Hay Fever, etc.

MELODEN for Mental and Physical Exhaustion, Anaemia, etc.

FLOCUSIL for Gastric Disorders, Biliousness, Migraine, etc.

EXAMONE for Skin Affections, Eczema, Nettle-rash, etc.

MELOSAN for Malnutrition, and Convalescence, etc.

FEMILAN for Dysmenorrhoea, Influenza, Physical Pains, etc.

MELOTON for Immunization against Colds.

CORTESAN for Disorders of the Feet.

*have pleasure
in announcing . . .*

THAT THEY HAVE CREATED THEIR OWN SELLING AND DISTRIBUTING ORGANISATION

This step has been taken to ensure closer co-operation with retailers in view of the rapidly increasing demand for the company's products. From now onwards our representatives will call on you carrying only the Allied preparations listed here.

WEST OF SCOTLAND
represented by Pharmaceutical Distributors
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Further details gladly sent on application to:—

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HEAD OFFICE: 140, PARK LANE, LONDON, W.

Telephone: MAYFAIR 7313-4



JUST OFF THE PRESS

We take pleasure in announcing the issue of our latest Price List of Pills and Tablets including as it does almost all formulas in demand for both counter sale and dispensing purposes.

(Copies available—Price 1d.)

(Control of Paper Order)



MANUFACTURING CHEMISTS

ESTABLISHED 1860 • DERBY 4266-8

When you are asked for
**a jar of
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AGAROL

P. A. T. A.

ALTERATION IN SIZES

In future Agarol will be supplied in 6-oz. and 14-oz. sizes: the present 7½-oz. size is discontinued.

PRICES: 6 oz. size: Retail Selling Price 3/4 (Including Tax). List Price per dozen 26/8 plus 1/4th tax.

14-oz. size: Retail Selling Price 6/8 (Including Tax). List Price per dozen 53/4 plus 1/4th tax.

NOTE: Deliveries of the 6-oz. bottle cannot be obtained until December. For the remainder of the year, therefore, Agarol will only be available in the 14-oz. size and the trade are asked to order accordingly.

Wm. R. Warner & Co. Ltd.,
 150/158, Kensington High St., London, W.8.
 (Wartime Address)

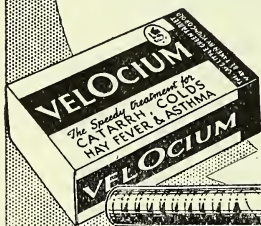
VELOCIMUM

the speedy specific against
HAY FEVER & CATARRH

This proven and reliable treatment is in great demand during the Hay Fever and Summer Colds Season.

Safe and effective, it has no deleterious after effects, but gives swift relief to all sufferers from these distressing seasonal complaints.

Widely advertised in the National, Provincial and Periodical Press, you may expect to be asked for this highly successful treatment.



SPEEDY SALES!

Sold retail in boxes at 1/5 and 3/4

EMMET DISTRIBUTING (CO., LTD.), 140 Park Lane, London, W.1
 Telephone: MAYFAIR 6756

Always Sells!

THE LIVE LINE
 WITHOUT A
 DEAD SEASON-

Cuticura OINTMENT

223

- Cuticura Ointment — and equally popular Cuticura Soap, Cuticura Talcum Powder and Cuticura Shaving Stick — are in demand from January to December. How are your stocks.

ANAESTHETIC **A-A** ANTISEPTIC **DERMAL LOTION** NON-GREASY

Contains

Butyl-para-aminobenz. Benzoin. Aethy aminobenz. Ol. Eucalypt. 5-Aminoacridin staining). Glycerin. Emollient non-greasy.
 RETAIL at 2/- per 3oz. bottle plus 2d.

A-A DERMAL LOTION is the Non-Greasy counterpart of A.A. Ointment and is confidently recommended:

IN SUMMER for Sunburn-Bites-Sting
IN WINTER for Chapped Skin - Broken Unbroken Chilblains, etc.

GENERALLY for Cuts - Wounds - Abrasions - Scalds - Burns - and irritating or painful skin affection



Write for Special Terms

DAMANCY & Co., Ltd.
 HARROW, MIDDLESEX

Telephone:
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Telegrams:
 Damancy,



BIOLOGICAL MBL PREPARATIONS

QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION

use of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained.

THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

				Retail Price	CHEMISTS' PRICE					
					Per unit			Per dozen		
				(inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax
PIPEOL										
MENT										
	4 oz. tube ..	..	..	6/8½	4/2½	+	8½	50/5	+	8/5
	40 gr. „ ..	..	..	3/4½	2/1½	+	4½	25/3	+	4/3
	20 gr. „ ..	..	..	1/10½	1/2	+	2½	14/-	+	2/4
	40 c.c. bottle ..	..	..	3/4½	2/1½	+	4½	25/3	+	4/3
THALMO-ANTIPEOL										
	Nozzled Tube ..	..	..	3/4½	2/1½	+	4½	25/3	+	4/3
NO-ANTIPEOL										
	Nozzled Tube ..	..	..	2/9½	1/9	+	3½	21/-	+	3/6
EROFAGOS (ORAL AND INJECTABLE)										
	50 ampoules ..	..	..	19/-	13/3½		None	159/7		None
	10 „ ..	..	..	4/3	3/-		None	35/8		None
	5 „ ..	..	..	2/6	1/9		None	21/-		None
ENSYL										
	500 tablets ..	..	..	39/-	24/-	+	4/-	288/-	+	48/-
	50 „ ..	..	..	4/5½	2/8½	+	5½	32/4	+	5/3
JAMES' BALM										
	approx. 2½ oz. ..	..	..	2/10	1/11	+	4	22/6	+	3/9
	„ 1 oz. ..	..	..	1/5	11	+	2	11/3	+	1/11
	„ ..	..	..	1/2	9	+	2	9/-	+	1/6

Carriage paid on all orders of 1 dozen or £1 and over.

Terms: NETT, monthly account.

CO-BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25



**MEDICINAL PRODUCTS
OF
ANIMAL ORIGIN**



Chemist Counter Lines

**ARMOUR'S JUNKET PRODUCTS
(TABLETS, POWDER, ESSENCE)
GLANOID CALF'S FOOT JELLY
GLANOID BEEF JUICE**

**A FULL RANGE OF GLANDULAR
PRODUCTS PREPARED FROM FRESH
WARM GLANDS SUPPLIED IN
AMPOULES, TABLETS, LIQUIDS
AND CAPSULES
available in Package Form
or Bulk Containers**

Also PEPSIN all strengths

PEPTONE
**both Bacteriological
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(Pure)**

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OX GALL **Inspsiated
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(ARMOUR AND COMPANY LTD.)
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*Fair Play
& Fair Profit*

P.A.T.A.

Will the end of war-time conditions of short supply see a recurrence of price-cutting to undermine the standards of people and traders? We join in the hope that such conditions will not materialise. What is perhaps more important to the chemist is that we are ready to tackle them if they do.

**YOU CAN RELY ON
'ASPRO'**

'ASPRO' has not allowed its price maintenance organisation to rust or lose efficiency. Throughout the war the same scrupulous control that made 'ASPRO' "red-hot" for the price-cutter and the cleanest line for the honest retailer, has been operating in the national interest. Now it is ready to go into action instantly at the first sign of a recurrence of price cutting.

We are proud of the appreciation expressed by retailers and wholesalers alike of the service rendered them by this special branch within our organisation. Just as the public rely on 'ASPRO' for purity, safety and efficacy, so the chemist can rely on ASPRO Limited for fair play and fair profit which is protected with vigour and efficiency.

'ASPRO'

Made by ASPRO LIMITED, Slough, Bucks

Telephone: Slough 22381

ASPRO



Whilst domiciled in Blackpool we always maintained a Sales Office in London. Now, to cope with ever-increasing business, the whole Sales and Administration have moved to the new Koray House, 25, Hanover Square, London, W.1



RESTRICTED SUPPLIES
are now available again ... all who purchased previously are automatically granted a quota. Will you please write and take it up?

Certain quantities have been reserved for areas where our distribution is not complete. Will wholesalers please write for supplies immediately?

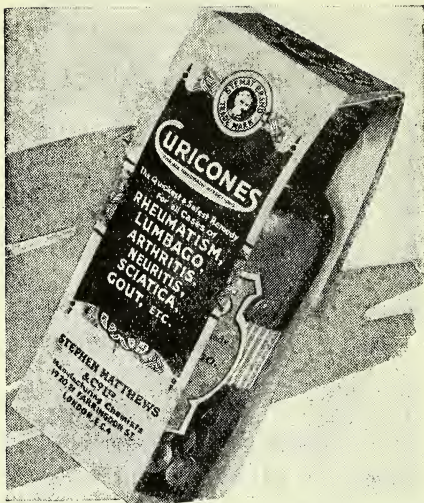
Betalax "sixes," Wholesale 18/- per gross, plus tax. Retail 2½d., inc. tax.

Betalax "fifteens," Wholesale 45/- per gross, plus tax. Retail 6d. inc. tax.

CHILDREN LOVE THEM
- SO WILL YOU

THE BETALAX CO.
25 Hanover Square
LONDON, W.1





CUSTOMERS ***WANT***
THE LARGE 24' SIZE
You can order it!

We are pleased to draw attention to the fact that

5/- and 24/- Bottles of
CURICONES
are always available through all
leading wholesalers

We draw special attention to this because, in recent weeks, many instances have come to light of intending purchasers being informed that these sizes are unobtainable

ORDER THROUGH YOUR USUAL
WHOLESALE

CURICONES

For the relief of Rheumatism and kindred troubles

STEPHEN MATTHEWS & CO., LTD.
19-21 FARRINGTON ST., LONDON, E.C.4

RAPIDEX BRUSHLESS SHAVING CREAM

In jars at 1/- and 1/4



RAPIDEX ANTI-BLUNT

will treble the life of razor blades

1/- per bottle.

Wholesale Distributors:

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Manufacturing Chemists

Mount Pleasant, Alpertown, Wemy



FOR
ARTHRITIS
PARTICULARLY
INFECTIVE TYPE

"**S.B.T.**
BRAND

STERILISED
SOLUTION

NEW PRICES:

	10 c.c.	60 c.c.
Retail Price	12/5 each	61/8 each
Net Medical Price	11/3 each	56/2 each
Retail Chemists	90/- doz.	444/- doz. T.

RATA

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Retail 2/3 including Tax
 your usual wholesaler or direct from
NSON AGENCIES (Proprietaries) LTD.
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Cheer-i-o

SAFETY

RAZOR BLADES



le Makers...

ne Wafer Razor Co. Ltd.

Hill Street, Sheffield, 2

PHONE 51824

URGENT
EMPTY
CASES
please

For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

The position is
NOW SERIOUS

and unless customers holding Andrews empty cases return them immediately a hold-up in deliveries will result. Your co-operation is requested. Postage or carriage will be credited.

HOW TO SEND

Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs., by rail, c/fwd (*or state cost on label*).

ANDREWS

SCOTT & TURNER, LTD.

Andrews House, Newcastle-upon-Tyne, 2

IF YOU'RE OUT OF ONE RECOMMEND THE OTHER



In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two Parmints.

At the moment the ready for use Parmint Syrup is in short supply. If you are temporarily out of stock, recommend your customers to take a bottle of the Parmint Concentrated Essences.

All our press advertising features both Parmints, and mentions their prices.



and

P.A.T.A.

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BIOCRIN POMADE TREATMENT SHAMPOO

A FAST SELLING, QUICK REPEATING
AND HIGHLY PROFITABLE LINE

SHOW MATERIAL SUPPLIED

VINES LABORATORIES
HARROW ROAD, PADDINGTON, W.2.

RAW MATERIALS *for the Cosmetic Trade*

● PERFUME COMPOUNDS ● STEARIC ACID
● LANOLIN ● BEESWAX ● GLYCERINE
SUBST. ● GUMS ● SULPH. FATTY
ALCOHOLS ● EMULSIFIERS AND WAXES

From 1 lb. upwards.

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for purity"**

says M^r VITALITY

To those chemists not serviced and who have not had a quota during the last 6 months.

GLUCOSE MEDICATIONS. Datum year purchasers please apply within seven days for quota of available distribution as fixed by M.O.F. Otherwise balance must be distributed in smaller quantities to non-datum year purchaser chemists who are invited to make application forthwith.
VITA GLUCOSE. By arrangement with the ministries concerned, there are sufficient supplies for all Diabetics on Insulin and urgent medical cases.
GLUCOSE CONFECTIONS. (1) Available for URGENT MEDICAL CASES against individual prescriptions. (2) Normal sales in EASTERN ZONE only, against Transfer Forms.

VITALISED STOMACH POWDER. Each teaspoonful contains, in addition to the enzymes Diastase and Papain, 35 international units of Vitamin B1.

Simpkins
of Sheffield



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& CO. LTD.

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BROWN CHEMICAL WORKS, THREE MILL LANE, BROMLEY-BY-BOW, LONDON, E.3.

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FIXED
RETAIL PRICE

2/1 (Including
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EACH PACKED IN A
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WITH INSTRUCTIONS
FOR USE.

ATTRACTIVE WHOLE-
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BY MAKING ONE SAFETY-RAZOR BLADE
LAST FOR HUNDREDS OF SHAVES:
THESE HONES ARE MADE IN GLASS
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ENGLAND

TELEGRAMS: "WOODS, BARNSELEY"

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Fixed retail price,
6½d. for a bag of
eight.

No purchase tax.

sole makers:—

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Telegrams: "Sanitas, Liverpool"



Weapons of PEACE!

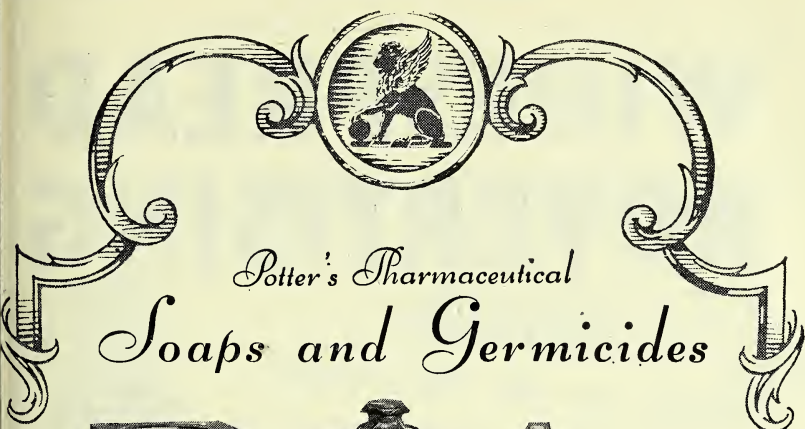
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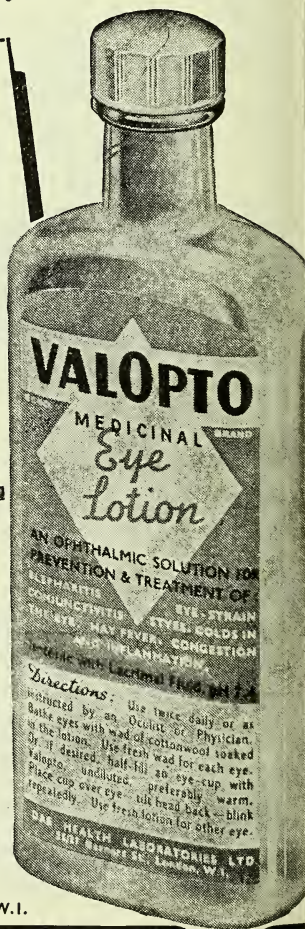
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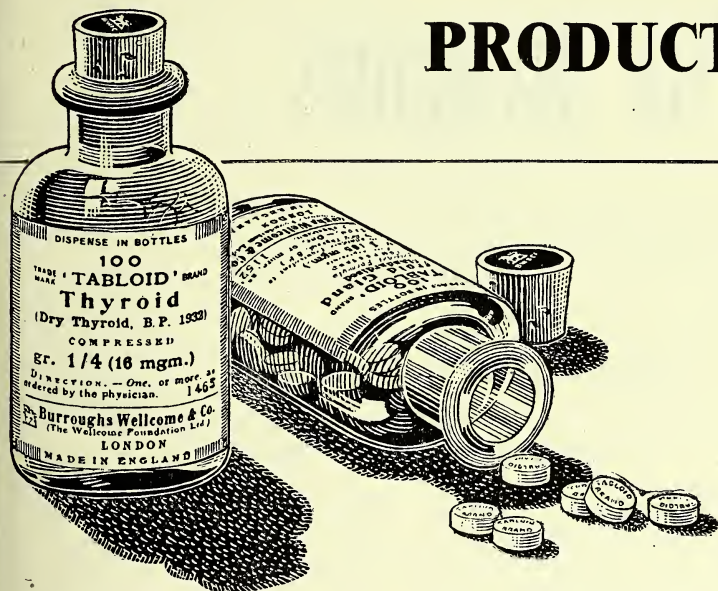
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NEWS OF THE WEEK

Postal Services to Greece.—The Postmaster-General announces that the sample post service (limit of weight 1 lb.) to Greece and Crete has been restored.

Air Mail Service to France and Switzerland.—Air-mail correspondence for France and Switzerland is now accepted for conveyance by air to Paris and to Geneva or Zurich respectively, and thence by such means as are available. The air postage rates are 5d. for the first oz. and 3d. for each additional oz., for letters, and 2½d. for postcards.

Monetary Agreement with Holland.—A monetary agreement between the British and the Netherlands Governments was signed at the Treasury by the Chancellor of the Exchequer and by the Minister of Finance for the Netherlands Government on September 7. The Agreement, which came into force the same day and is of three years' duration, provides a mechanism for payments between the sterling area and the Netherlands monetary area. The text will be published as a White Paper in the next few days.

Safeguarding of Industries Order.—The Treasury, after consultation with the Board of Trade, has made the Safeguarding of Industries (Optical Lanterns and Cinematographs) (Exemption) Order, 1945 (in operation from September 3, 1945). The effect of the Order is that complete optical lanterns and cinematographs are only exempt from duty under the Safeguarding of Industries Act, 1921, if they do not exceed in value 2s. and 3s. respectively. These limits replace the limits of 4s. and 10s. in operation before the Order was made. The exempted articles remain liable to duty under the Import Duties Act, 1932.

Code Telegrams Ban Lifted.—The Post Office and Cable & Wireless, Ltd., announce that all restrictions on the use of codes, ciphers and languages in telegrams exchanged with countries in the British Commonwealth (except India, Ceylon and Palestine) and with the United States of America and Possessions, are now removed. Some countries abroad maintain certain restrictions on telegrams, and it is therefore

not possible at present to restore all the facilities withdrawn on the outbreak of war. Further relaxations will be announced so soon as practicable. Censorship of telephone calls to Canada, the United States and Kenya has ceased, and in consequence the restriction on the use of foreign languages is withdrawn.

Toilet Preparations Register.—The Board of Trade has issued a revised list of persons whose names were, on July 1, 1945, entered on the Toilet Preparations Register. Copies of the Register are obtainable, price fourpence each, from H.M. Stationery Office.

Gift to China.—British United Aid to China Fund announces that May & Baker, Ltd., manufacturing chemists, have given a million tablets of M. & B. 693, valued at £1,000, to the Fund, for the use of the Chinese hospital service.

Orange Juice Shortage.—Some 50,000 children under five and expectant mothers in the Manchester area will be deprived of orange juice this month. The Ministry of Food says the demand has overtaken the supply, and it is expected there will be a temporary shortage.

Disposal of Poison Gas.—The ship "Empire Simba" was scuttled in the Atlantic recently with a cargo of 8,000 tons of poison gas which had been held in readiness for use against Germany. It is understood that another cargo of equal size is to be similarly disposed of during the next few days.

Suggested International Trade Directory.—Mr. P. Freeman asked the President of the Board of Trade in the House of Commons on August 21 if he would consider publishing an international directory with list of articles and suppliers. Sir S. Cripps replied that the cost of such an immense undertaking would be quite out of proportion to its value.

Medical Supplies for UNRRA.—It is announced by the United States Army-Navy Liquidation Commissioner that transfer to UNRRA of war surplus and excess stocks in the European and Mediterranean theatres of war amounting to \$150 million will begin immediately to relieve the populations of Greece, Albania, Jugo-Slavia, Czechoslovakia and Poland, before the cold weather sets in. Medical supplies are included in the transfer.

Beeswax Trade Meeting.—A meeting of the beeswax trade was held on September 4 when a resolution was passed concerning the division of the pool arising from exports

of the Ministry's stock of beeswax to the United States: (1) Persons who they were entitled to share in the should lodge their claims with the secret 38 Lombard Street, London, E.C.3. (2) must be firms which sold crude beeswax to the United States between September 1937, and August 31, 1939. Sales of bleached and refined wax would not qualify. (3) fund to be divided equally *per capita* without any regard to the amount sold to the United States in this period. (4) Brokers and exporters to share equally.

Protecting Absentee Doctors' Practice.—Sir E. Graham-Little asked the Minister of Health in the House of Commons on August 20 whether he was aware that the British Medical Association scheme for protecting absentee practitioners' practices forbids other doctors from attending a demobilised practitioner's patients for a period of twelve months after the close of hostilities, thereby depriving insured persons on his list of their right of a free choice of doctor for that period; whether he would take remedial action. Mr. Bevan replied that he was in consultation with the British Medical Association on the subject.

Coupons for Surgical Belts.—Mr. W. Brown asked the President of the Board of Trade in the House of Commons on August 21 whether he would take steps to abolish the practice under which the surrender of clothing coupons was required for such aids to the sick as surgical abdominal belts and the like. Sir S. Cripps replied that all surgical belts less than six inches wide which have certain attachments or designed for use in certain post-operative conditions, are coupon-free. Other belts which cannot be thus clearly defined, but in fairness be rationed, because they are worn as undergarments, but people who are required, on medical advice, to wear a rationed type of belt may apply to the Department for additional coupons.

Ulster Associates' Section.—The monthly meeting of the associates' section of the Ulster Chemists' Association was held in Belfast on August 30, Mr. W. H. Jones (chairman) presiding. Correspondence read between the section and the Belfast Union concerning the salaries paid pharmaceutical chemists acting as locum tenentes in the city dispensaries. The Belfast Union had accepted, subject to approval of the Ministry of Finance, a suggestion made by the section that

ry paid to locums should be increased in £3 3s. to £5 5s. weekly. The consent of the Ministry of Finance had since been given.

Following were elected Associates, on the motion of Mr. McGIVERN, seconded by Mr. BERRY: *Pharmaceutical chemists*, W. T. Cleghorn (Forces), Miss N. F. McNigan, Messrs. J. G. Foley, J. A. Milton, O. P. Keenan, W. Kelly, G. W. Maghan, P. Shields, W. J. Stevenson, A. H. Storey. *Assistants*, Messrs. T. A. Brown, A. I. Connor, P. Lennon, G. W. Carroll, P. J. McQuillan, M. F. Patton, T. J. Parke. *Apprentices*, Miss M. R. and Mr. M. A. B. Gaffney. Arrangements were made to hold the annual meeting of the section on October 25.

Increasing Outlets for Made-up Medicines.—A Scottish correspondent writes: Surprisingly large number of applications now before the Local Price Regulation committees in Scotland cover made-up medicines. The new position which permits hardship cases to enter any trade and is only by approval of the Committee, is leaving considerable scope for entry through purchase of existing businesses.

P.W.C. Changes.—Following the cessation of hostilities, the work of the Central Pharmaceutical War Committee and Scotland Central Pharmaceutical War Committee is being substantially curtailed. In future committees will be concerned only in placing qualified assistants (not managers) and dispensers in posts and applying for the release of men from Forces under Class B of the demobilisation scheme. The committees point out they have many important vacancies which they are unable to fill, and they hold little hope of improvement in this position. They are unable to recommend release of men from the Forces for particular businesses, and can only take action where, unless a specific man is released, there will be no pharmaceutical service to the public in a given district. Applications on hardship grounds must be made to the individual direct to the military authorities. Persons communicating with committees are asked to restrict themselves to the subjects mentioned.

Import Licensing Relaxations.—The Board of Trade announces the following relaxations, effective from September 8, to lists of goods that may be imported without separate licences. In some instances importation of the goods was already permitted from Empire countries without individual licences: Bauxite; fel-

spar, including China stone; fireclay; flint, unground; fluorspar; gypsum, unburnt, including alabaster; kelp; kyanite; monazite sand; nickel ores, concentrates, residues and matte; peat moss, peat moss litter, dust or mould, granulated peat and peat fuel or tailings; seaweed, raw, unground, dried or bleached (not further prepared or treated); sillimanite; silk-worm gut, untrimmed, natural, in hanks or bundles. The modifications do not authorise the importation of any goods in circumstances that would constitute trading with the enemy, or of any goods for exportation after transit through the United Kingdom or by way of transhipment. Applications for licences to import goods of a kind or from destinations not covered by the open general licence as amended should be addressed to the Import Licensing Department, 1-6 Tavistock Square, London, W.C.1. Previous lists of goods that may be imported without separate licences are shown in Notices to Importers Nos. 163-65.

Government Proposals for Industry.—Speaking at Blackpool recently, the President of the Board of Trade (Sir Stafford Cripps) said that, provided industries would take all necessary steps for their own organisation, the Government would help them to win through to real efficiency. This implied well-trained and highly-skilled managements, application of the results of scientific and technical research, and efficient production. The Government desired to deal with all these problems upon the basis of a tripartite partnership—employers, employees, and the Government. It was proposed to set up working groups in the different industries to formulate a plan for action, the more urgent taking priority. Each group would consist of equal parts of representatives of employers, of trade unions, and the general public interest. The first and second sections would be chosen from a list of nominations by the employers and trade union organisations respectively; the third section, together with a chairman, would be chosen by himself. When their reports had been received and studied by the Department, they would have to lay down the minimum requirements placed upon the industry in the national interest, and then it would be for the partnership to see that those requirements were carried into effect. Whatever powers of control or compulsion might prove necessary, these must rest in the hands of the Government, and so be under the supervision of Parliament.

PERFUMERY MADE IN A GARAGE

THE hearing was completed at Clerkenwell magistrates' court on August 27 of charges relating to the unauthorised manufacture of perfumery and toilet preparations. Alfred Billig, 1 Lindsay Drive, Kenton, pleaded guilty to manufacturing such goods to an alleged value of £1,500 without being a person who, on October 1, 1941, carried on in the United Kingdom a business of supplying controlled goods manufactured by him, and not being a registered person. He was fined £200 and ordered to pay £52 10s. costs. Harry Rosenbaum, otherwise known as Ross, 76 Southwell Road, Camberwell, London, S.E.5, who pleaded not guilty, was fined £50 and ordered to pay £21 costs for aiding and abetting. A number of summonses against Sidney J. Ingram, trading as the Angel Warehouse Co., 74 Upper Street, Islington, for buying controlled goods (fifty-seven doz. jars face cream) not being goods manufactured by a person whose name was on Part I of the Toilet Preparations Register, for purposes of resale, and for supplying controlled goods (eau de Cologne, brilliantine, etc.) without having the name and address of the manufacturer or repacker of the goods upon the container or upon a label attached thereto, were dismissed.

Conspiracy Charge Dismissed

A summons against all three defendants of conspiring together and with other persons unknown to contravene Article 7 of the Toilet Preparations (Number 3) Order by supplying controlled goods without the name of the manufacturer or repacker upon the container of the goods or the label was also dismissed. Evidence had previously been given (see *C. & D.*, August 18, p. 160) that officials of the Board of Trade went to 1 Manville Garages, Upper Brecknock Road, Holloway, and there found two crates of eau de Cologne, 220 bottles of brilliantine and a quantity of other goods, including filling machines, etc. Bottles were labelled "Sanders, Ltd.," and "Laings, Ltd.," etc. Billig was seen and made a statement. Rosenbaum was alleged to have said "I was in half shares with Billig," and that he had been with him for fifteen weeks. He was also alleged to have said that he knew he was not entitled to manufacture, but that he did it "for the thrill of it." Ingram was said to have been referred to by Billig as his "best customer." It was alleged that he had had the labels printed. The prosecution contended that Billig and Rosenbaum

were partners and that goods manufactured by Billig were labelled "Laings, Ltd." "Sanders, Ltd.," instead of under his own name. On behalf of Ingram it was submitted that there was no evidence that he had ever been to Manville Garages or spoken to Billig or, indeed, any actual evidence that he knew Billig at all. Statements by Billig or Rosenbaum were not evidence in law against Ingram. There was evidence that certain labels were printed for Ingram upon his instructions, but there was no evidence that they were not printed to put on bottles containing goods manufactured by the firms whose names were on the labels. It was true that similar labels were said to have been found at Manville Garages, but it was pure conjecture for the prosecution to suggest that they were printed by Ingram. The magistrate said that although there was grave suspicion in the case of Ingram he was technically bound, having regard to the rules of evidence, to hold that there was no case against him.

Rosenbaum, in the witness-box, said that when he was interviewed by officials of the Board of Trade he had been ill and did not know what he was saying. He might have said he was a partner, but he was not a partner. He was employed by Billig at from £7 to £10 a week to fill and label bottles. In reply to the magistrate, he admitted that he put Sanders' labels on bottles of brilliantine manufactured by Billig. Further questioned, Rosenbaum admitted that there was an agreement with Billig whereby he (Rosenbaum) received 40 per cent. of the profits. Billig's solicitor, making an appeal for leniency, said Billig was invalided out of the Army in March 1943 and returned a first to his old job, but his health prevented him from carrying on. He then started in business as a packer, but the business was unsuccessful. He made further unsuccessful attempts to get back to his old job. He was only carrying on manufacture for a short time and could not have made the profit suggested by the prosecution. He was now conducting a small business as a confectioner and tobacconist handed over to him by his father-in-law. The magistrate said it was difficult to give much weight to appeals for leniency after defendants had "tried to lead the Court up the garden" instead of making frank admissions. Alternatives to non-payment of fines and costs were two months imprisonment in the case of Billig and one month in the case of Rosenbaum. Each defendant was allowed one month to pay.

TOPICAL REFLECTIONS

Production Problems

On reading the report of a meeting in furtherance of establishing a "Production Control Research Group" (p. 251) and our editorial comment on it (p. 249), my first thought was about the extent to which the Department of Scientific and Industrial Research is likely to be interested in the subject. "Whitaker's Almanack" devotes about three-and-a-half pages to details of this Department and its subdivisions, indicating the existence of a large volume of scientific and industrial research subsidised by Parliament. Although it may fairly be said that the emphasis is on the scientific side of this activity, the published reports of the Department give particulars of a certain amount of industrial research—for instance, in fatigue and in the lighting of factories. This is not the end of the matter; for several trade organisations have been associated with the work of the Department during the thirty years that have elapsed since it was set up by Order in Council. From the eighteenth annual report of its work I learn that by that date (1934) twenty-seven associations had been licensed by the Board of Trade to conduct assisted research. The report states that some of these associations never functioned effectively, and that others were wound up or were merged in other bodies; the number is not specified. The report continues: "The broad upshot is that expending of the Million Fund [of 1917] has attracted a total industrial contribution of about one-and-three-quarter million pounds; and at the moment the State is contributing £5,000 a year and industry £170,000 towards the support of the group of nineteen research Associations which cover a field of manufacturing industries providing about 50 per cent. of the total exports of this country."

Definable Aims

This aspect of the question has been mentioned as a contribution towards clarifying the position. It seems to me that the first duty of the new committee entrusted with the formation of the Group is to define its aims with precision. Overlapping with existing industrial research must, obviously, be avoided; and, in view of the experience outlined in my preceding paragraph, it will be as well to keep in mind the possibility of eventual union with some other body working on similar lines. The high degree of certainty in organisation already reached

by leading industrial companies that could be named may serve as a pattern or standard for the Group to emulate. It is questionable whether prominent industrialists will care to release data of their methods of works control for the use of any association; nor must the functions of B.E.T.R.O. (*C. & D.*, March 31, p. 327) be overlooked. Assuming that preliminary precautions of this kind have been taken, what will be the scope of the new body? The noteworthy development of "production control technique" in the engineering world is not difficult to understand, for it is in engineering that mathematically exact calculation and measurement are fundamental to success. It does not follow that engineering methods are easily adaptable in other industries.

Cinchona Cultivation

The scientific staff of the Board responsible for the cultivation of cinchona in the Caucasus are to be congratulated on the measure of success that has attended their bold experiments (p. 244). I believe this is the first reference published. Many of your readers will remember that in 1930 the late Mr. E. M. Holmes contributed an account of "the discovery and application of Peruvian bark" to your Annual Special Issue; and that three years ago Mr. A. W. Haggis corrected, with the support of documentary evidence, certain errors in the previously accepted history of the drug. The identification of the species of cinchona found in their native habitat was a lengthy process. From 1640 to 1776, Mr. Holmes wrote, "no other cinchona bark was met with in commerce than that which was exported from the Peruvian port of Payta, which was brought down from the forests in the neighbourhood of Loxa and was known in commerce as Loxa bark; the larger, finer pieces were reserved for use in the royal pharmacy of Madrid and were consequently known as crown bark." An advance was made by de la Condamine when, in 1737, he collected near Loxa specimens of the tree since known as *Cinchona officinalis*, var. *Condaminea*. Ruiz, Pavon, Humboldt and others also took a hand in the task of describing and naming. The number of species mentioned in the Index Kewensis (1895) is sixty-seven; as Mr. Holmes indicated, a search through the supplements to that monumental work of reference would probably disclose a few more species.

Xrayser

TRADE NOTES

Five-day Week.—To conserve fuel, Genatosan, Ltd., Loughborough, Leicester, commenced operating a five-day week on September 10 for an experimental period lasting to the end of the current year.

Bottles Required.—Moore Medicinal Products, Ltd., Aberdeen, Scotland, announce that in view of the extreme shortage of bottles they may be unable to maintain supplies of Brovon $\frac{1}{2}$ -oz. size unless chemists collect and return $\frac{1}{2}$ -oz. poison bottles to the company. All such returns will be credited at 1s. 6d. per doz.

Manufacturing Premises Approved.—Salford Buildings and Developments Committee has decided, subject to a satisfactory scheme being submitted, to approve for a period of three years the proposal of Chappie, Ltd., to use premises at 2 Police Street, Pendleton, for the manufacture of veterinary medicines.

Own Selling Organisation.—Allied Laboratories, Ltd., 140 Park Lane, London, W.1, announce that they have set up their own organisation for distributing the specialities of the company. This will operate in Great Britain except in the West of Scotland, where the distributors are Pharmaceutical Distributors (Glasgow), Ltd., 187 St. Vincent Street, Glasgow.

Liver-fluke Capsules.—Burroughs Wellcome & Co. call the attention of pharmacists in sheep-farming districts to the recent introduction of Wellcome brand carbon tetrachloride capsules (veterinary), 1-c.c. The capsules provide a reliable and economical means of combating liver-fluke infestation, which is likely to present a serious agricultural problem during the coming autumn and winter.

Again in Adequate Supply.—Sandoz Products, London, W.1, announce that Neo-Femergin uterine haemostatic, containing ergometrine and ergotamine tartrates, is again available in ampoules, tablets and solution from the sole distributors, Brooks & Warburton, Ltd., 232-42 Vauxhall Bridge Road, London, S.W.1. Technical inquiries should be forwarded to C. Walker, 134 Wigmore Street, London, W.1.

Limited Quantities.—It is announced by Thos. Christy & Co., Ltd., Farnham, Surrey, that limited quantities are again available of Mexican hair renewer, which the company manufactures and distributes on behalf of the Anglo-American Drug Co., Ltd. This speciality has been off the market

for some time, as the use of some of the essential ingredients was prohibited in preparations of this description.

Bottle-size Change.—William R. Warner & Co., Ltd., 150 Kensington High Street, London, W.8, announce that, in future, Agarol compound will be supplied in 6-oz. and 14-oz. sizes only; the present 7 $\frac{1}{2}$ -oz. size is being discontinued. It is understood that deliveries of the 6-oz. bottle cannot be obtained until December and therefore, for the remainder of the present year, the preparation will be available only in the 14-oz. size.

Photographic Competition Prizewinners.—Winners in the June competition organised by Johnson & Sons, Manufacturing Chemists, Ltd., Hendon Way, London, N.W.4, included: First prizes (£5 each): Messrs. McKenzie Cullen, Wythenshawe, Manchester; and C. Thomas, Camborne, Cornwall. Second prizes (£2 each): Mr. J. Renwick, Otley, Yorks; Captain W. Pratt, Peel, I.O.M.; and Mr. W. Enlund, Kingsbury, London, N.W.9. There were also ten third prizes (£1 each); twenty fourth prizes (10s.) each; and twenty-five consolation prizes.

England Visit.—Mr. Leon A. Chiris, principal of the Établissements Antoine Chiris, has been released from the French Air Force and is paying his first visit to this country since 1940. Mr. Chiris is passing through London on his way to visit the American Chiris company and hopes to return to England for a further visit later in the year. He has been much impressed by the way in which industries supplied by his companies have carried on in this country under the most difficult war-time conditions, and is optimistic that it will continue to be possible to supply the products for which the concerns have been famous for the past 200 years.

Post-war Policy.—Speaking at the annual meeting of Lennard, Lee-Narvill & Co. Ltd., Hull, on August 22, the chairman announced that additional steps for manufacturing were being arranged, and plans had been laid fixing January 1, 1946, as the target date for increased production. It was intended, he said, to manufacture and place on the market, for both home and overseas trade, a series of proprietary preparations in perfumery, toilet and pharmaceutical requisites, cosmetics and a few household and chemical goods. A large number of inquiries from overseas traders was being dealt with, and negotiations for the appoint-

ment of agents in a number of foreign countries were already in progress. The company's Narvill trade-mark had been registered in six countries.

Business Changes

MR. B. W. GILL, M.P.S., has removed to 9 Grange Road, Woodthorpe, Nottingham.

MR. DONALD M. M. FRASER, M.P.S., is transferring his business to 127 Maryhill Road, Glasgow.

STANLEYS (NOTTINGHAM), LTD., have acquired the pharmaceutical business of Mr. B. W. Gill, M.P.S.

BOOTS, LTD., have taken over the pharmaceutical business of Stanley Riley & Son, 28 Church Street, Flint.

HOUGH, HOSEASON & Co., LTD., manufacturing chemists, are removing on September 17 to Chapel Street, Levenshulme, Manchester, 19.

THE COMMERCIAL COUNSELLOR TO THE FRENCH LEGATION IN LONDON has removed to 22 Hans Place, London, S.W.1 (Telephone: Kensington 3696).

BOX-CARTON, LTD., has been adopted as the new title of E. Harriott & Co., Ltd., cardboard box manufacturers, 245-49 Hospital Street, Birmingham, 19.

ANSOL CHEMICAL Co., wholesale chemists and distributors, 69 Great Ducie Street, Manchester, 3, are opening a new warehouse at Bescar Lane, Southport.

CRYSTAL PRODUCTS, LTD., LONDON, W.2, request that all communications and literature should be addressed to Mr. S. H. Picker, c/o Crystal Products Co., Ltd., Hook Rise, Epsom, Surrey.

RETAIL LICENCE APPLICATION.—Garton and District Co-operative Society, Ltd., to carry on at 296 St. Mary's Road, Liverpool, 19, a retail business in patent medicines, tooth-paste, soap.

MR. G. P. TAYLOR, M.P.S.N.I., 65 Northern Belmont Road, Strandtown, Belfast, Northern Ireland, has been appointed to succeed Mr. Hosie as representative in Northern Ireland for W. B. Cartwright, Ltd., Rawdon, Leeds. He will take up his duties on October 15.

JOINT COMMITTEE FOR PRICING PRESCRIPTIONS (N.H.I.), SOUTH-EASTERN DIVISION.—We are advised that it is only the administration of the office that has returned to London (*C. & D.*, September 8, p. 241). The Marlborough office of the Joint Committee continues open to receive accounts from chemists in the South-eastern Division.

DEED OF ASSIGNMENT

A MEETING of creditors of Frederick Arthur Bellamy, trading as F. A. Bellamy & Partners, manufacturing chemists, 2-3 Quay Street, Cardiff, was held recently, when a statement of affairs was submitted showing ranking liabilities of £1,795, of which £1,095 was due to the trade and £700 to cash creditors. There were also fully secured creditors for £179. After allowing £100 for preferential claims, the net assets were £567, or a deficiency of £1,229. Assets comprised: Cash at bank, £156; furniture and fittings, £167, put down at £50; book debts, £237, estimated to realise £230; stock, at cost, £350, expected to produce £200; and surplus from fully secured creditors, £170. It was reported that, in September 1943, debtor formed a partnership with three others, who commenced business as manufacturing chemists, specialising in the manufacture and sale of children's medicines. A formal deed of partnership was entered into on October 28, 1943. All the partners continued in their existing employment, conducting the business in their spare time, until February 1944, when debtor terminated his employment and devoted all his time to the venture, which was carried on from his private residence. The joint capital was £60, each partner contributing an equal share, and it was claimed that profits were earned until the partnership was dissolved on July 14, 1944. No accounts were prepared at the time of the dissolution, but it was agreed that debtor should assume liability for any debts. The small stock was retained by two of the partners, whilst the third was left a creditor for his share of the capital, with profits. The business was then transferred by debtor to Quay Street, Cardiff. It appeared that, during the period debtor had traded alone; sales amounted to £7,700, but a loss had been incurred.

Negotiations for Sale

The fully secured creditors comprised a finance company whose claim arose in respect of a motor car obtained under hire purchase. It was stated that the assets might be augmented by the value attaching to a trade name in the event of the business being disposed of as a going concern. After discussing the position, it was decided that debtor should execute a deed of assignment in favour of Mr. Parkin S. Booth, 14-17 Holborn Viaduct, London, E.C., as trustee. A committee was also appointed, and it was decided that negotiations should be entered into for the sale of the business.

PERSONALITIES

MR. ROY INNES, B.Sc., has been appointed secretary of the Association of Scientific Workers.

MR. J. STEWART COOK, B.Sc., A.R.C.S., has been appointed organising secretary of the British Association of Chemists, as from the beginning of July last.

MR. G. F. DEAN has been appointed private secretary to Mr. Percy Collick, M.P., Joint Parliamentary Secretary to the Ministry of Agriculture and Fisheries.

LIEUTENANT ROBERT H. H. BRUNNER, eldest son of Major G. H. Brunner (former general manager of I.C.I. (Alkali), Ltd., Fleetwood) has earned a bar to his D.S.C.

MR. STANLEY HAYWOOD, M.P.S., 9 Thornton Avenue, Bolton, has been appointed a magistrate for the borough. He was First-aid Commandant in the Civil Defence service during the war, and is chairman of Bolton Reform Club.

SIR LIONEL ERNEST HOWARD WHITBY has been appointed Regius Professor of Chemistry at Cambridge University. In July of this year he was awarded the gold medal of the Royal Society of Medicine. Formerly, while with May & Baker, Ltd., Dagenham, he took a prominent part in the discovery and perfection of M. & B. 693.

MARRIAGE

MEADOWCROFT—FENNELL.—At St. Mary Magdalene R.C. Church, Penwortham, on September 8, Arnold J. Meadowcroft, Howick Park Drive, Penwortham, to Mary A. Fennell, Highgate, Penwortham Hill. The bridegroom is a director of Meadowcroft & Son, Ltd., essence manufacturers, Regent Street, Blackburn.

DEATHS

BARKER.—On August 29, in a motor accident in Western Europe, Lieutenant Raymond Courtney Barker, R.A.M.C., M.P.S., 125 Old Christchurch Road, Bournemouth, aged twenty-eight.

BRANSON.—Recently, as the result of a flying accident, Flight-Lieutenant Richard Arthur Branson, junior director of Reynolds & Branson, Ltd., wholesale chemists, Briggate, Leeds, aged twenty-seven.

ECCLESHALL.—On August 2, Mr. Richard Eccleshall, M.P.S., 55 High Street, Brierley Hill, Staffs. Mr. Eccleshall qualified in 1922.

FIELDEN.—Recently, Mr. James Fielden, M.P.S., aged seventy. Mr. Fielden qualified

in 1900 and was for nearly forty years in business at 313 Oldham Road, Rochdale.

FOLEY.—As briefly recorded last week (p. 242), Mr. M. J. Foley, M.P.S.I. Mr. Foley was born in Knockea House, Drombanna, co. Limerick, and qualified as a pharmacist in 1909. He leaves a widow, five sons and five daughters. The funeral took place at Kilbarrack Cemetery following Requiem Mass at the pro-Cathedral Dublin.

HENDERSON.—At Lansdowne, Kirkcudbright, on September 4, Mr. Alexander Kello Henderson. Mr. Henderson qualified as a chemist and druggist in 1898.

JACOBS.—On September 4, Mr. Robert Walter Jacobs, M.P.S., 37 Blenheim Crescent, London, W.11, aged twenty-nine.

LLOYD.—Suddenly, on August 29, Mr. Herbert Oliver Lloyd, M.P.S., manufacturing chemist, 10 Suffolk Parade, Cheltenham, aged sixty-two.

MACDONALD.—On August 25, Mr. Robert Macdonald, M.P.S., 5A Tomnahurich Street, Inverness. Mr. Macdonald qualified in 1898.

McLERNON.—Recently, Mr. Sam McLernon, representative in Ireland for Thomas Waide & Sons, Ltd., printers, Leeds. Mr. McLernon was widely known in pharmaceutical circles in Northern Ireland, and the attendance at the funeral included representatives of chemists' organisations.

PINKERTON.—At 182 Glasgow Road, Baillieston, Glasgow, on September 4, Mr. William Robert Pinkerton, M.P.S. Mr. Pinkerton qualified in 1898.

WILLS

MR. PENRHYN VAUGHAN JONES, chemist and druggist, 23 Church Street, Southport, Lancs, left £10,923, with net personality £10,553.

MR. HERBERT JOHN GOGGS, M.P.S., High Street, Huntingdon, formerly a director of Goggs & Osborne, Ltd., left £12,994, with net personality £5,505.

MR. WALTER BLACK, 93 Courthill Avenue, Cathcart, Glasgow (Walter Black & Co., chemists and drysalts, Molendinar Street, Glasgow), left personal estate in Great Britain valued at £21,932.

MR. SIDNEY M. HALL, 39 Greenways, Southgate, London, N., who died on April 5, husband of Mrs. Margaret Hall, M.P.S., 75 Nantwich Road, Middlewich, Cheshire, left £4,804, with net personality £3,668.

ULSTER CHEMISTS' ASSOCIATION

THE monthly meeting of the Executive Committee of the Ulster Chemists' Association was held in Belfast on September 5, the president (Mr. A. E. Johnston) in the chair. Mr. JOHNSTON referred to the bereavement suffered by Mr. H. P. Crossin (a member of the Committee), whose father-in-law had died recently. The secretary was requested to write to Mr. Crossin conveying the sympathy of the president and committee.

A report of a meeting of the Emergency Committee, held on August 1, was read, and the Executive's approval was given to the decisions taken.

Mr. A. STEEDE congratulated Mr. Johnston on a happy event in his family—the birth of a son—and asked him to accept from the committee and secretary a silver porringer and spoon to mark the happy occasion.

Arising out of the minutes of the June meeting, it was decided that the members of the Association should be advised concerning the failure of the manufacturers of medicinal goods to make application for manufacturer membership of the Chemists' Friends Association.

Chemists' Friends Committee

THE SECRETARY read a report of the first meeting of the Northern Ireland Chemists' Friends Committee. General satisfaction was expressed at the setting up of this committee, and it was agreed that, with the next circular to members, a copy of Rule 44 (Retailers' Obligations) should be sent to members and non-members, and that frequent references to the C.F. scheme should be made in the monthly advices.

A draft statement to the Ministry of Labour in support of the demand for complete revision of National Health Insurance dispensing contract terms—a copy of the statement had already been circulated to members—was discussed. The draft, which represented a considerable amount of detailed work on the part of the N.H.I. subcommittee, was approved with minor amendments. It was agreed that it should be forwarded to the Ministry of Labour without delay.

Messrs. Ewart and McNabb, successors to Mr. C. A. Wray, were elected members.

Retiring Members to Seek Re-election

THE SECRETARY reported that, according to rule, he had advised the eight retiring members of committee to signify to him before November 20 if they were desirous

of seeking re-election. All the retiring members were seeking re-election.

It was reported by THE SECRETARY that the Associates' Section had arranged to hold its annual meeting at the Grand Central Hotel, Belfast, on October 25.

Recommendations from the social subcommittee concerning the Association's first annual dinner, to be held at the conclusion of the annual meeting, were discussed and approved.

A request for a grant to the social subcommittee's fund was unanimously agreed to by the Executive.

COMB PRICES

PRICES of moulded, saw-cut, twin-cut and dust combs have been reduced by a new Board of Trade Order (C. & D., September 8, p. 237), which now fixes the actual cash prices at which these types of combs may be sold. Cash prices have also been fixed for vulcanite combs and for saw-cut combs of 5 mm. and over in thickness. Certain types of combs for wear are now for the first time subject to a fixed cash price. All saw-cut combs are clearly marked as such, and those of 5 mm. and over in thickness bear this additional information.

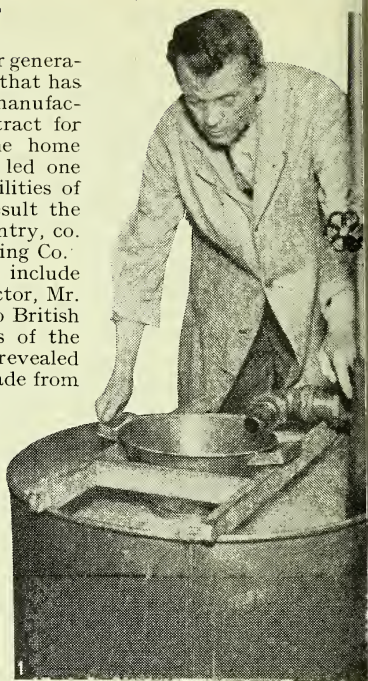
Type of Comb	Fixed Cash Price under new Order	Ceiling Price under previous Order
	s. d.	s. d.
Moulded, 5 in. to 6½ in.	6	7
Tail, of any length	6½	8
Saw-cut (under 5 mm. thick)		
Up to 5 in.	8	11
6½ in. to 7 in.	2 0	2 5
Twin-cut, up to 5 in.	5½	11
Dust comb		
Less than 2 in.	7½	9
3 in. and over	1 0	1 3
Vulcanite comb, up to 5 in.	1 5	—
Saw cut, 5 mm. and over thick, up to 5 in.	2 0	—
Combs for wear		
Without jewelled ornamentation		
Moulded, up to 3 in.	6	—
Twin-cut and saw-cut		
3 in. to 5 in.	1 6	—
Over 5 in.	2 6	—

The new Order provides that, where a comb is sold with a case, the price of both must not exceed the maximum price for the comb alone. All vendors must have a list of the prices available to be shown to customers on request.

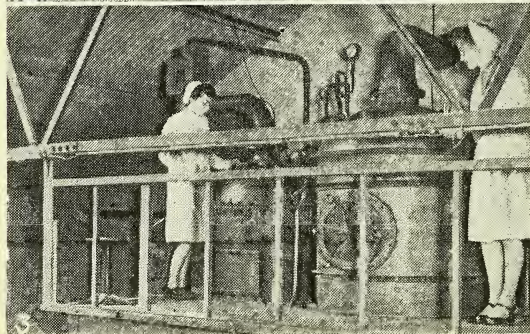
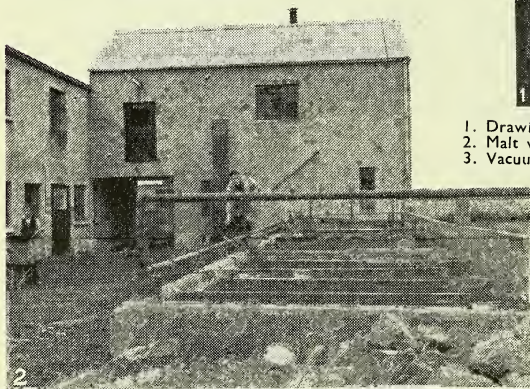
IRISH MALT EXTRACT

IRISH-GROWN malted barley has been used for generations to produce beer and stout of a quality that has become world-famous. Yet until recently no manufacturer had thought of producing an Irish malt extract for use with cod-liver oil to meet the needs of the home drug trade. Shortage due to the war, however, led one enterprising manufacturer to explore the possibilities of making a high-grade malt extract, and as a result the Irish Malt Distilling Co. is now operating at Santry, co. Dublin, as a subsidiary of the Lilmar Manufacturing Co.

After initial experiments the promoters, who include Mr. Eugene MacMahon, M.P.S.I., and his co-director, Mr. M. Donnelly, have produced an extract fully up to British Pharmacopoeial standards. In fact, an analysis of the product by a leading Dublin public analyst has revealed a malt extract excelling in many respects that made from Canadian or other imported grain. Tests showed that the extract made at Santry had a much higher sugar content than normally required, and was also rich in diastase. The tests were carried out under the direction of Professor James Bayley Butler, University College, Dublin, and preparations were at once made for quantity production. The Lilmar factory premises at



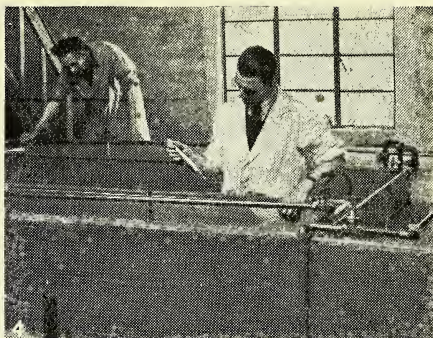
1. Drawing off "wort" from tubs prior to evaporation.
2. Malt wing and cooling tanks for condenser water.
3. Vacuum pans for boiling under reduced pressure.



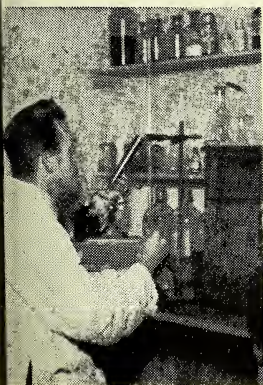
Santry were extended, and "malt wing" added. Professor Butler devised the technical processes, and the necessary plant was designed by his assistant (Mr. Edward A. Donovan, A.M.I.C.E.I.). Equipment was erected by Dockrells, Ltd., Dublin, including malt tubs, vacuum pans, and an elaborate condenser cooling system. In anticipation of the operation the company put a large acreage under barley this year, and the grain when harvested being sent to one of the oldest Dublin maltsters to be malted prior to processing for extra purposes.

After malting, the grain is milled at Santry to a degree of fineness that will allow free action of the ferments in the vat tub. In the tubs the steeped barley is maintained for a fixed period at temperature allowing full action

the diastase and myastase. In process
 ted starch in the grain has to be con-
 into pure maltose and other complex
 ars. Tests ensure that no unconverted
 ch is drawn off in the "wort," the thin,
 etish brown liquid that is finally
 wn off from the long rectangular tubs
 rats and passed to the vacuum pans to
 e the surplus liquid evaporated. The
 of the wort is checked, as any serious
 ease in acid content would have a
 terious effect on the keeping properties
 ne product. When the wort reaches the
 red vacuum pans, which are on a raised
 form in the malt-house, it is evaporated
 ne temperature prescribed in the B.P.
 ne evaporating process involves the use
 n extensive condenser cooling system,
 ough which water is continually pumped
 ne rate of 15,000 to 20,000 galls. hourly.
 condenser water is cooled in its passage
 ough a series of specially constructed
 rete tanks outside the malt-house.
 n the rich, sweet brown liquid in the
 um pans—now of treacly consistency—
 duced to the specific gravity stipulated
 ne B.P., the required quantities of cod-
 oil are added, and the entire mixture
 ed to special large copper containers,
 which it is filled into jars, labelled,
 sent out on its way, via distributors, to
 l chemists all over the country. The
 t at Santry is today in full produc-
 and ample supplies are available for
 l winter. Export sales are under
 consideration.



Mash vats or tubs in which the malted grain is
 ed and the starch converted into sugars.
 illing the finished malt extract into jars.
 laboratory in which chief chemist carries out batch
 es.
 ection of labelling and packing department.



CANCELLATION OF WAR CONTRACTS

THE following joint statement on procedure following cancellation of war contracts has been issued by the Board of Trade, the Admiralty, Ministry of Labour and National Service, and Ministry of Supply:—

Many thousands of telegrams and letters have been sent to contractors in the last few days advising them of the cancellation or reduction of munitions contracts. As the Prime Minister announced in the House of Commons on August 16, over 1,000,000 workers will be released from munitions work in the next eight weeks, and further releases will be effected as quickly as possible thereafter.

In these first announcements it has not been practicable to deal with certain important considerations which it is essential that all contractors should bear in mind if we are to make the transition from war to peace-time production as smooth and rapid as possible. In this letter we deal with these points one by one.

Information to Workers

The object of these cancellations and reductions of war contracts, following the sudden end of the Japanese war, is, of course, to avoid the waste of both man-power and materials urgently needed for peace-time purposes. It is important that this should be made clear to all concerned in the factories. It is even more important that the effects of these sudden changes in contracts upon the work of your factory and the numbers employed should be explained at the earliest possible opportunity.

We are confident that many of the difficulties which might otherwise arise as a result of these changes will be avoided if everybody is fully informed through the appropriate channel, e.g. Joint Production Committee or Works Committee, of the reasons for them and their effects upon individual factories, and we therefore look to you to take every possible step to ensure that this is done.

Reallocation of Labour

You are already familiar with the procedure for releasing workpeople which the Ministry of Labour operates under the Essential Work Orders at establishments where there is a reduction in employment. Arrangements on these lines for identifying those workpeople who are to be called up into the armed forces and those who can be released to return home or for other work of national importance, will be continued.

You will, however, greatly assist the Ministry of Labour to make the best arrangements for putting workers no longer required on war contracts into touch with other jobs if you will notify the local office of the Ministry at the earliest possible moment of any expected releases in advance of any specific application to terminate employment which is required by the Essential Work Order in individual cases.

Where considerable numbers of workpeople

are to be released from a single establishment may be possible to arrange for a representative of the Ministry of Labour to attend, if desired, the meeting of the Joint Production Committee or other appropriate body to explain the principles and methods of selection of workpeople for release, and to indicate the alternative possibilities of employment. You are invited to consult the local representative of the Ministry of Labour upon this aspect of the matter.

Clearance of Factories

The Supply Departments are fully alive to the urgency and importance of having contractor premises cleared of materials, partly manufactured goods, and plant used in connexion with war contracts which are not wanted in civilian production. The essential first step, however, is for you, the contractor, to have the items inventoried promptly on the form which will be supplied to you by the Supply Departments. You will expect to be paid for work done, and this check is an unavoidable necessity. Difficult though it may be to get this considerable clerical task carried out quickly, you will realise that it is unavoidable and a most important first step in the process of ridding your premises of surpluses which are in the way. You may wish to retain some of your staff to get through this work quickly.

The subsequent stage of removing the material for ultimate disposal is an immense task, which will be vigorously tackled. To facilitate the work, the Ministries of Supply and Aircraft Production have provided special regional staffs to deal with this problem and to advise manufacturers. You should therefore consult your Regional Controller, who will give you the name of the appropriate officer.

If you have been operating dispersal units it is important that, in considering the distribution of civilian production between your various establishments, you should frame your plans in such a way as to release at the earliest moment any requisitioned premises which you know will be wanted back for peace-time purposes by the former occupants.

Prototypes and Preparatory Work

As already announced by the Board of Trade, manufacturers wishing to undertake preparatory work for post-war trade need no longer make application to the Board to obtain special authority. Since demands for draughtsmen and certain other types of skilled workers will for some time exceed supply, we hope that you will continue to do as much of your development work as possible with existing staff. Where, however, important work is likely to be seriously retarded by staff shortages, you should notify your requirements to the local officer of the Ministry of Labour.

The procedure under which requests have been made for permission to undertake development work has afforded to the Board of Trade valuable information, especially where development

the production of manufactures normally reported is intended. We . . . ask you to keep the Board informed of any developments.

It will still be necessary for manufacturers to obtain licences for raw materials where they are subject to control. The reason for this is that many materials are likely to continue in short supply for some time to come, and some measure of control is necessary in order to ensure that such materials are put to the most effective use in the national interest.

For the same reasons, manufacturers will still have to obtain licences for machinery and other equipment . . . still subject to control.

In the event of surpluses of raw materials being left in your hands as the result of the

cancellation or reduction of your war contracts, you should declare all such surplus material at once to the Department which authorised its issue, so that there is no delay in reallocating the material to urgent civilian work.

Finally we ask that, in carrying out these difficult adjustments from war to peace-time production, you should consult the Regional Controllers of the Departments concerned in any cases where you are in doubt as to the right procedure to follow, or where you think that they could be of assistance to you. It is our hope that as many of these problems as possible will be adjusted locally, and the Regional Boards have been asked to give every possible assistance to this end.

PROPRIETARIES IN SOUTHERN RHODESIA

REPRESENTATIVES of the Pharmaceutical Society of Southern Rhodesia gave evidence before the Rhodesian Health Commission recently. They expressed the view that the Government had to see that medicines were supplied under satisfactory conditions. Proprietary medicines advertised with extravagant claims endangered health by handicapping medical practitioners. Some proprietary medicines were sold at ridiculously high prices, considering what they contained, and sometimes the multiplicity of ingredients in such preparations militated against their effectiveness.

Method of Supply of Medicines

The method of supplying medicines to the dependants of members of the Forces, and the delegates, should be extended to the whole population of Southern Rhodesia. A national health service was introduced, thus avoiding the disadvantages of Government control in the issue of medicines. A body of chemists working under the Medical Council and the Pharmacy Board could be appointed to help in the control of a national health service. Patients could be free to patronise any pharmacy, and a pharmacist should not be expected to subsidise his dispensary by the sale of proprietaries. Advertisements should be strictly censored, and the publication of formulas should be enforced. Advertisers should not be allowed to state a remedy to be an illness in which it could not possibly be effective. The first consideration of a health organisation was to provide the best possible service at the lowest price.

This led to a question whether, if the headquarters of a national health service could obtain drugs more cheaply wholesale, it would be justified in by-passing pharmacists. By way of rejoinder the members of the pharmaceutical deputation pointed out

that the Government had imported from the United States a drug which pharmacists could have made up more cheaply in Rhodesia. No objection would be raised by pharmacists to the Government buying up drugs wholesale if in that way it could get them more cheaply. The cost of prescriptions was to some extent affected by bad debts, and it was suggested that a national health service should try to secure a more economic system of obtaining drugs. At present, it was alleged that chemists had to wait six months for payment by the Government. Pharmacists would favour some limitation of their business, but it was pointed out that they rendered a service which a concentrated dépôt could not provide. The personal service obtained from chemists was thought to be appreciated by the public. The spurious advertisements sent to natives were brought up as a subject on which much concern was felt. Native commissioners were worried by this traffic. Instances were given of pamphlets being sent through the post advertising love charms and remedies, preparations to make the users successful, or to help them avoid accidents. This traffic had been stopped during the war and should not be allowed to revive. Under the present Medical, Dental and Pharmacy Act in Southern Rhodesia, a trader could secure a licence as an apothecary by simply employing a qualified manager. This was objected to. There should not, it was thought, be more than one pharmacist to 2,000 Europeans.

Welfare of Laboratory Animals.—A booklet on the care and management of laboratory animals is in course of preparation by the Universities Federation for Animal Welfare, 284 Regent's Park Road, London, N.3, under the editorship of Professor A. N. Worden, M.R.C.V.S.

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CXLIV SEPTEMBER 15, 1945 NO. 3423

Trade with Italy

The Trading with the Enemy Department (Treasury and Board of Trade) has drawn the attention of traders to three Orders made under the Trading with the Enemy Act, 1914, which were signed on September 5, 1945, authorising persons in the United Kingdom to resume trade in goods with Italy. (Statutory Rules and Orders, 1945, Nos. 100-1100.) Italian property in the United Kingdom at the date of the Orders, and the claims arising therefrom, continue to be under the Board of Trade or Custodian control.

Imports from Italy

Hitherto, trade with Italy has been conducted through official channels in both directions, but from now on United Kingdom traders will be free to negotiate contracts with the appropriate agencies of the Italian Government. Traders who wish to import goods from Italy should first ascertain from Italian suppliers whether there are goods available for export from that country, and their price and terms of sale, and should then approach the Import Licensing Department, 1-6 Tavistock Square, London, W.C.1, to find out whether an import licence will be issued. Import licences will not, in general, be granted for goods not, for the time being, licensed from other countries. If and when an import licence has been granted, the recipient should write to the Istituto Nazionale per

il Commercio Estero, 107 Via Torino, Rome, with whom contracts will be completed. The Istituto will be responsible for the payment in lire to the Italian supplier and for arranging necessary shipping and supervising packing. Payment by the United Kingdom trader in accordance with the contract terms should be made to an Italian sterling account.

Export of British Goods

Traders who wish to export goods to Italy may correspond with intending Italian clients, for the purpose of providing such clients with information about types and prices of goods available for export to that country. It will then be for the Italian importer to make arrangements with the Italian Government authorities concerned, for the inclusion of his requirements in the programme of goods which the Italian Government wishes to purchase in the United Kingdom. Contracts will be made on behalf of the Italian Government by the Italian purchasing agent established in London (at 14 Three Kings Yard, Davies Street, W.1. Telephone: Mayfair 9791), who will also be responsible for making payment in cash for goods obtained and for obtaining necessary shipping facilities. He or the trader acting on his behalf will also be responsible for obtaining an export licence where this is necessary. In view of the limited sterling resources initially available for Italian purchases in the United Kingdom, traders are officially advised that so far as practicable they should accept orders only against irrevocable credits opened by the Banks against cash transfers by the Italian Government.

Far-Eastern Produce

A CONSIDERABLE proportion of the commodities that have been unobtainable or scarce during the war have their peace-time origins in territories now freed from the enemy in the Far East. Chief among these raw materials of industry is natural rubber, and while it is too early to form an estimate of the position in the planting areas, it may be assumed that everything possible will be done to rehabilitate this industry at the earliest opportunity. War-time scarcity of natural rubber has necessitated a wide

expansion of the synthetic rubber industry. It remains to be seen what contribution the latter can make to peace-time needs, but it is not likely that synthetic rubber will be allowed to return to its pre-war obscurity. If synthetic rubbers can meet the natural product in price and quality there seems no reason why they should not find a useful place in industry.

Position of Quinine

Perhaps the second most important raw material now freed by the end of the far-eastern war is cinchona. Here again it is difficult to ascertain the condition of the industry at its source, though it seems unlikely that the trees themselves have suffered considerable harm at the hands of the Japanese. A more obvious way of crippling the industry would be to wreck the quinine-producing plant, and it is on this factor that the speed of rehabilitation of the industry may presumably depend. An immense speed-up in the production of synthetic antimalarial drugs has resulted from the war-time scarcity of quinine, but, as with rubber, the natural product will no doubt find a ready acceptance on its return to the markets of the world. Quinidine, for which no effective substitute is available for the treatment of certain cardiac arrhythmias, is urgently wanted, but, as explained by the Ministry of Health last week (p. 235), it will be at least a year before the drug becomes available in any quantity.

Drugs of Lesser Importance

Among the less important drugs affected by the new situation are rhubarb and benzoin, both of which are urgently required to replenish exhausted markets. The gap in menthol supplies has been filled during recent months by consignments imported under licence from Brazil, but with the Chinese product once more in sight this source is likely to become neglected unless a considerably lower price is quoted. Other drugs and essential oils that are likely to reappear, though probably in the rather distant future, will be agar, camphor, pyrethrum, star anise, cassia, ephedra, galangal and galls. All of these have been short and in some instances priced at high levels.

Quin-drums

IN the mode of the moment, we propose to set our subscribers a quiz on quinine. As, however, we are ourselves not at all sure we know all the answers, it must be understood that the contest is "for interest only." Here, then, are the questions:—

1. What is the source of (a) quinine and (b) quinidine?

2. Assuming that, being a pharmacist, you have disposed of stocks of quinidine reported as being in your possession when the Ministry of Supply required a return to be made in 1941, has your action been (a) illegal, (b) commendable, (c) prudent?

3. If experience has shown that quinidine is of little use in cardiac arrhythmias, and that quinidine has a decided usefulness, do you recognise the action of the Ministry of Health in urging further tests with quinine as being (a) economical, (b) inevitable, (c) in the best interests of patients and the cause of research?

4. Is the defeat of Japan likely to result in increased supplies of cinchona in this country (a) soon, (b) after one year, (c) soon?

5. The use of quinine has been lessened during the war by the wider use of (a) quinidine, (b) mepacrine, (c) circumstances.

If the questions are confusing, it must be confessed that so are various items of news to be found in recent issues. The most hopeful and encouraging is that a British manufacturer shows some confidence that he will be able to resume manufacture in the not too distant future. In the meantime, especially since the need for quinine has been greatly reduced by the increased employment of mepacrine in malarial conditions, it would appeal to us as an avenue worth exploring to allocate a certain amount of quinine for experimental conversion into quinidine, so that a cardiac patient is deprived of the best opportunity of treatment. If synthetic quinine is, as is claimed, a reality, the conversion should not be impossible. Meantime, every effort should be made, this has not already been done, to secure quinidine from other sources, not excluding Soviet Russia (see article on cinchona production, *C. & D.*, September 8, p. 244).

ADVANCES IN DISPENSING PRACTICE—II

IN evaluating ointment bases three general therapeutic requirements must be assessed: (1) Local emollient or irritant action; (2) local antiseptic action; (3) general (systemic) absorption. The first is difficult to measure, but increased effectiveness of many water-soluble antiseptics, when presented in a water-miscible base, has been realised since Koch advanced the theory that when phenol was dissolved in oil or alcohol it showed no antiseptic properties.

Few Ointment Bases

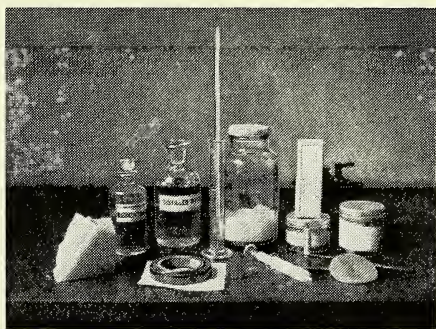
The war-time shortage of oils and fats has hastened the introduction into pharmaceutical practice of new bases of the oil-and-water-emulsified type absorption or washable bases. It was unfortunate that the introduction of ung. alcohol. lanæ, and its dilution with an equal weight of water in ung. aquos. of the B.P. Sixth addendum, was not preceded by more research under practical conditions of storage. An attempt was made to find a universal base in which a variety of medicaments could be incorporated and which would give complete freedom from tendency to rancidity. In the U.S.P. XII, ung. alba and ung. flava (5 per cent. of wool fat in mixtures of white or yellow wax and soft paraffin) are used. Retail pharmacists are familiar with the proprietary preparation known as Eucerin, of which the official base is the attempted counterpart. Hydrous ointment, however, has shown a tendency to lose by separation some of its water, particularly at summer temperatures; while its high water content makes it unsuitable for packing in box containers and in tins, unless they are heavily lacquered. The B.P. Seventh addendum permits variation in the proportion of paraffins, in order to give a stable ointment. This is necessary owing to the wide specifications for the paraffins now available, and seems to be the only alternative to a more scientific standardisation, such as on the physical character-

istics of the mixed base. The base finally adopted was a mixture of paraffins—hard, soft, and liquid—with cholesterol (in wool wax) as the emulsifying agent. The superior appearance and stability of hydrous ointment, when prepared commercially, is largely due to the use of an ointment mill and of paraffins of constant melting-point. However, with careful technique, the pharmacist should have little difficulty in preparing small batches. It is essential to use a water bath or steamer to melt the hard paraffin, maintaining as low a temperature as possible throughout the operation, and adding the liquid paraffin and water, in the case of hydrous ointment, at about 60°C.

The use of wool alcohols in official ointments has been reviewed by Michaels (*C. & D.*, February 24, p. 200).

Removing Ointments from the Skin

The removal of an ointment from inflamed skin requires a preliminary softening with oil, followed by washing with soap and water. If an emulsified base has been used, water alone, or with a trace of soap, is



Ingredients for penicillin cream. Note glass pots with aluminium screw caps, thick rubber liners and transparent adhesive tape for sealing.

sufficient. Another method of removal of fats from the skin is by the use of a non-irritant detergent solution, such as C.T.A.B. (cetyl trimethylammonium bromide). This is one of the more popular cationic detergents which, in addition, possesses a definite antiseptic action. A 1 per cent. solution is used to cleanse the skin as a preliminary to the treatment of burns, and it has also found application in removing dirt from civilian war casualties. It must be remembered, however, that the solution is incompatible with soap, which neutralises the electronic charge and causes precipitation.

One of the more useful of the emulsifying bases is Lanette wax S.X. This consists of a mixture of cetyl and stearyl alcohols, together with about 10 per cent. of their phosphorylated or sulphated salts, which act as auxiliary emulsifiers, so that the product gives stable oil-in-water emulsions. In preparing creams with Lanette wax S.X., it is important that the melting-point (about

50° C.) should not be much exceeded, or its emulsifying properties appear to be affected. A water bath and thermometer provide the only safe method.

Sulphonamide Ointments

Topical application of the sulphonamides has now become a recognised form of treatment, and the pharmacist may be called upon to supply them. The type of base used is important, as water-in-oil or oil-in-water emulsions appear to offer definite superiority, and do not interfere with the normal function of the skin. The following two formulas may be compared:—

<i>Sulphonamide Cream</i> (Medical Research Council, War Memorandum No. 10)	<i>Sulphanilamide and</i> <i>Sulphathiazole</i>	<i>Cream, N.W.F.</i>
Sulphanilamide .. 10	3	
Sulphathiazole .. —	3	
Glycerin .. 10	10	
Castor oil .. 25	25	
Lanette wax S.X. .. 10	10	
Water .. 45	49	

The former is used for the treatment of burns and the latter for impetigo. Several complications common to compounded creams are introduced when the product must be presented in a sterile form. It is generally recognised that, for the sterilisation of oily substances, a temperature of 150° C. for sixty minutes is necessary; but because of the harmful effect of such a temperature on Lanette wax, absolute sterilisation is not attempted. The mixture of melted wax in castor oil and water is heated to 65° C. for two hours in the M.R.C. formula and to 100° C. for thirty minutes in the N.W.F. formula, in order to kill off non-sporing organisms. The shorter period at a higher temperature has been found as effective as the longer period at 65° C., without appreciably lowering the emulsifying properties of the Lanette wax, and is more expeditious. The sulphonamides are then incorporated with the glycerin in a sterile mortar.

Inconsistent Directions

Several inconsistencies appear at this stage in the directions given for the two formulas. The M.R.C. formula does not specify sterile sulphanilamide, and the glycerin (suspension) is heated to 60° C. In the more recent N.W.F. formula, sterile sulphonamides are specified, and the suspension is heated to 65° C. for two hours. The procedure is more in conformity with the principle that, when the final product cannot be sterilised, the process is applied to the separate ingredients. The fact, however, that the sterilisation of glycerin is a routine procedure appears to

have been overlooked. More particular reference to the dry sterilisation of sulphonamides will be dealt with in a subsequent article. With regard to storage, it will be apparent that, once the container is opened and the cream used, subsequent usage from the same container is likely to give rise to infection. Two forms of container are suggested: either a small screw-top jar, from which a single application is made; or collapsible tube, either of which can be sterilised in a hot-air oven. The complexity in manipulation of such formulas has led to many pharmacists purchasing these creams already prepared; but it is suggested that, with the minimum of apparatus required for general sterilisation processes, viz. hot-air oven, water bath, and thermometer, any similar cream could be prepared in the dispensary. To encourage the craftsmanship, however, the reward should be greater than the few pence allowed by the Drug Tariff.

Penicillin Creams

With the announcement that penicillin is to be released for general practitioner use and the probability that it will become generally available in due course, pharmacists should be familiar with its presentation in a cream base for local application. Some experience in aseptic technique is required. The final product cannot be sterilised, and it should be remembered that the presence of certain foreign organisms hastens the destruction of penicillin:—

Lanette wax S.X. ..	30
Phenoxetol ..	2
Penicillin ..	q.s.
Sterilised water to ..	100

The method suggested is that of Payne ("Pharmaceutical Journal," 133, 1944) modified by the addition of Phenoxetol. Briefly, the technique consists of adding the water containing Phenoxetol to the wax both at 50° C., and preferably in glass vessels, shaking to emulsify, and, when cool enough to remain stable, pouring into sterile and tared small glass jars, with aluminium screw caps. The product is autoclaved at 20 lb. for twenty minutes. When required for use, the requisite amount of penicillin, dissolved in sterile water, is added to the liquefied base at 65° C., and the cream shaken until cool. Recent experiments suggest that penicillin retains its activity better in a Eucerin type of base. Although solutions and preparations of penicillin have been found more stable than was at first thought probable, they should be stored in a refrigerator and a supply

efficient for a few days issued to the patient. Pyrogen-free water is necessary.

Another base, again using Lanette wax X., popularly known as H.E.B. (Halden's emulsifying base), is used to incorporate a wide variety of medicaments:—

Liquid paraffin	..	..	..	3
Soft paraffin	..	..	..	2
Lanette wax S.X.	..	..	..	2

The importance of this base depends chiefly on its capacity to absorb liquid medicaments and up to 70 per cent. of water. It is to be hoped that sufficient material and experimental experience will be available to enable a specific formula for an oil-in-water absorption base of this type to be included in the next B.P.

Quinoline Cream

Potassium hydroxyquinoline sulphate (chinosol)	..	..	..	0.5
Benzoyl peroxide	..	..	..	10.0
Industrial spirit	..	..	..	10.0
H.E.B.	..	..	..	25.0
Water to	..	..	..	100.0

The benzoyl peroxide is rubbed down with the spirit until smooth, the H.E.B. incorporated, and the chinosol dissolved in the water—slightly warmed—added gradually with trituration. Cod-liver oil ointment or cream still has considerable demand for a variety of skin infections and burns, although the specific factor to which it owes its healing properties has not been finally decided. A 50 per cent. mixture in H.E.B. provides a suitable cream.

MEDICAL ABSTRACTS

Pertussis Vaccine Useless as Prophylactic.

A series of 600 susceptible children, aged 6 months to three years, examined by Farlan and others ("British Medical Journal," August 18, p. 205) was divided to inoculated and controlled groups by methods aimed at forming two groups similar in every respect other than inoculation. The inoculated children were given either two doses of pertussis vaccine at a four weeks' interval or four doses at intervals of one, one and four weeks. The total dosage ranged from 40,000 to 100,000 million organisms. During the succeeding fifteen months, whooping cough occurred sporadically in the locality and broke out in four of the residential nurseries in which the experiments were carried out, at intervals of from two weeks to nine months after the last inoculation in the series. No significant difference was observed in the incident severity of whooping cough between the inoculated and controlled children, and the authors therefore recommend that, until positive evidence of the value of pertussis vaccine as a prophylactic is obtained in further carefully controlled trials, its use should be discontinued.

Local Treatment of Burns.—In a plea for simplicity in the treatment of burns, Emming ("British Medical Journal," September 8, p. 314) declares that any classification or attempt at classification in the early stages of burns, other than a simple division into slight and severe, is useless and confusing. "Slight" burns he describes as those in which there is no detectable general disturbance, and "severe" as those in which the general treatment of the patient is more urgent

than the local treatment of the burns. In any doubt, the patient must be given the benefit of treatment since "fit young men widely burned show for a few hours an astonishing vitality. . . . This temporary well-being leads at times to disaster, for it is followed by a quite sudden collapse." Three types of dressing are described as having their place in the local treatment of burns, but it is pointed out that the surgeon should know why he is choosing one of the three for the particular problem he is trying to solve. The three types are: Wet dressings of saline or antiseptic type, changed at intervals; adhesive dressings of tannic acid or dyes; and greasy dressings. For first-aid treatment wet saline dressings "give reasonable comfort and do not prejudice later treatment." Caution is recommended in the use of sulphonamide powder locally, owing to the possibility of sulphonamide skin-sensitivity.

Prescription Problem.—We publish this week another problem, as below:—

*R. Hyd. an. subm. 6. 20.
 Zinc. in 6. 20.
 P.M. Made on 8. (H.C.)*

The solution to the problem published in the issue dated August 25 (p. 199) is as follows:—

R Lotio calamine . . . 3 viij
 Sulph. sublim. . . . 3 iss
 Acetone . . . 3 i
 S. The Lotion

RECENT RESEARCH

Residual Products from Blood Donations.

—Hitherto little attention has been given to the possibilities offered by the 50 per cent. of whole blood resulting from the preparation of blood plasma. Barnard ("Journal of the American Pharmaceutical Association," XXIV, 177) describes studies aimed at the utilisation of waste human corpuscles, and gives possible therapeutic applications. The preparation of other blood-pigment derivatives from any mammalian source, as well as prophyrin derivatives from other than hæmatic sources, are outlined.

Bactericidal Effect of Spirit Dilutions.—

Archer ("British Medical Journal," August 4, p. 148) carried out a series of experiments by six different methods to test the effect of various dilutions of ethyl alcohol on bacteria, with a view to finding the optimal dilution for use on the skin. His observations were mainly made on *Staphylococcus pyogenes* and *Streptococcus pyogenes*, with two tests on *Ps. pyocyanea*. His findings were that the effective range of strength of alcohol on a dry surface for non-sporing bacteria is between 90 per cent. and 95 per cent. Strengths of 95 per cent. and over are partially ineffective, and of 100 per cent. markedly ineffective. It is thought possible that the upper limits of the effective range may be preferable to the lower, owing to the lower surface tension of stronger alcoholic mixtures, although the advantage is offset by the more pronounced fixative effect of strong alcohol, which may cause the coagulation of an exudate and consequent production of living organisms within the coagulation so formed. Since the normal skin is more or less moist, the effective range of alcohol for use upon it is somewhat different. One hundred per cent. spirit is commonly effective, at least on moister skins and under tropical conditions of humidity, whilst under similar conditions 60 to 65 per cent. spirit may show some loss of efficiency. Washing the skin before applying the alcohol would result in a similar loss unless subsequent drying were thoroughly carried out. The author considers that, as a general recommendation for use under all climatic conditions, alcohol of 80 per cent. strength is probably most suitable for skin sterilisation, though no more effective than other non-persistent agents in dealing with deep-lying resident flora. The *C. & D. Diary & Year Book*, 1942, is quoted for comparative strengths of percentage solutions.

NEW BOOKS

Chemistry in Relation to Fire Risk and Fire Extinction.—A. M. Cameron, B.Sc. F.R.I.C. 8½ × 5½ in. Pp. 196. Sir Isaac Pitman & Sons, Ltd., London. Now in its second edition, this practical and compact manual is intended primarily for candidate for the examinations of the Institution of Fire Engineers, and deals with the chemistry of combustion with particular reference to gases (hydrogen, oxygen, carbon monoxide, nitrogen, chlorine, methane); inflammable liquids and combustible solids, including elements, oxidising agents and organic materials. There are chapters on spontaneous combustion, explosions, dust hazards, storage in relation to fire risks, and fire proofing and methods of extinction. An index permits easy reference to specific details. Owing to current paper restrictions certain sections of the original edition have been omitted to accommodate a certain amount of new matter.

Hæmoglobin Levels in Great Britain in 1943.—Medical Research Council Committee on Hæmoglobin Surveys. 9½ × 6 in. Pp. 128. 2s. H.M. Stationery Office London, W.C.2. A report on work undertaken, following discussions between the Ministry of Health and Medical Research Council, to ascertain the nutritional status of the people of Britain in the fourth year of war. Although the urgency of the findings has largely disappeared, the report provides valuable material on which to base a national food policy in peace no less than in war, and is given a renewed currency by the termination of Lease-Lend help from the United States. Physiological factors influencing hæmoglobin levels are discussed, the survey procedure outlined and statistical data analysed and compared with the results of previous investigations. Recommendations for future surveys include standardised procedure; further tests on normal persons, particularly women and children, and of groups suspected of nutritional deficiency; selection of observers; collection of evidence of social background, past history and food intake in the groups studied; and estimation of other factors of possible importance.

Salvage Still Vital.—"To re-establish our peace-time economy Britain will still need the fullest possible collections of waste materials, including waste paper."—Mr. John Wilmot, Minister of Supply and Aircraft Production, in a message to local authorities.

U.K. TRADE WITH GREECE

PRIVATE traders in the United Kingdom are now free to negotiate contracts either with appropriate agencies of the Greek Government or with private traders in Greece. The Greek Government is prepared to consider issuing licences to private traders for the import of goods into Greece. Traders should note that, in addition to the articles which are purchased exclusively

U.N.R.R.A. (see below), the Greek Government may wish to confine the purchase of certain commodities exclusively to Greek Government purchasing agencies. Where an import licence has been issued to a Greek importer, the United Kingdom porter may assume that the private transaction in question is approved by the Greek Government. United Kingdom traders are reminded that Greece will be obtaining her basic relief and rehabilitation requirements through U.N.R.R.A., so that purchases through private trade will be limited to goods required to supplement the U.N.R.R.A. programme. United Kingdom traders who wish to export goods to Greece should apply to the Export Licensing Department, 4 Fenchurch Avenue, London, E.C.3, if the goods in question are subject to export licensing.

Shipping Facilities

Applications for shipping space should be made to the Greek Government representative in London (The secretary, Greek Shipping Committee (Export Department), Park Street, W.1. Telephone: Mayfair 61), giving the usual information, together with the Greek import licence number. Normal Export Credits Guarantee Department facilities are available for exports to Greece. The Greek Government is also prepared to consider issuing licences to private traders to export goods to the United Kingdom. Import licences are required for all goods imported on private account into the United Kingdom from Greece which do not come under an Open General Licence, and applications should be made to the Import Licensing Department, 1-6 Tavistock Square, London, W.C.1. The issue of licences will, in general, be under similar conditions to imports on private account from other overseas countries. Import licences are not normally granted for foodstuffs, the import of which continues to be conducted by the Ministry of Food. Payment both for United Kingdom exports and for imports from Greece will be made in sterling through the normal banking channels.

COMING EVENTS

Monday, September 17

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Demonstration theatre, gas show-rooms, Parliament Street, Nottingham, at 7 p.m. Mr. J. C. Young, Ph.C. (president of the Society), on "The New Health Service in the Light of the General Election."

Tuesday, September 18

ABERDEEN AND NORTH-EASTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Caledonian Hotel, Aberdeen, at 7.30. Address by Mr. Hugh N. Linstead, Ph.C., O.B.E. Inauguration of J. F. Tocher medal and scholarship of the Aberdeen School of Pharmacy.

Wednesday, September 19

LONDON SECTION, BRITISH ASSOCIATION OF CHEMISTS, Assembly Hall, Royal Empire Society, Northumberland Avenue, London, W.C.2, at 6.30 p.m. Discussion, "Social Security for Chemists."

Thursday, September 20

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Meeting room, Baptist Church, College Road, Harrow, at 7.15 p.m. Mr. F. W. Adams, B.Sc., Ph.C. (deputy secretary of the Society), on "The Charter of the Pharmaceutical Society."

Friday, September 21

ST. HELEN'S SECTION, BRITISH ASSOCIATION OF CHEMISTS, Y.M.C.A. Buildings, St. Helens. Dr. H. Moore on "Research in the Post-war World."

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.30 p.m. Mr. Hugh N. Linstead, O.B.E., M.P. (secretary of the Society), on "The Next Five Years in Pharmacy."

INTERNATIONAL SOCIETY OF LEATHER TRADES' CHEMISTS. New Chemistry Building, Leeds University, at 2 p.m. Professor A. C. Chibnall, F.R.S. (Sir William Dunn Professor of Biochemistry, University of Cambridge), on "The Contribution of the Analytical Chemist to the Problem of Protein Structure" (Procter Memorial lecture).

Sunday, September 23

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble, round Chinley. Meet Central station, 8.40 a.m. Book Chinley return.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to present conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent prices for wholesale quantities of standard quality. C.i.f. quotations do not include extra marine risk insurance and other abnormal charges payable under present conditions.

28 Essex Street, W.C.2, September 12

WHILE it is difficult to detect any appreciable change in market conditions, there is some evidence of the beginning of a gradual move towards improved trade. The process of recovery will naturally be a slow one and will depend to a large extent on the speed at which essential supplies become available. There appears to be no lack of inquiry both for home and export trade, but continued shortage of good supplies makes it impossible for traders to take full advantage of the current demand. Improvement of the supply position will in turn require the utmost economy in the use of restrictive controls, which must be abolished whenever they cease to perform a useful function. No price changes of importance have occurred during the week under review and the general tone is steady. Makers of PHARMACEUTICAL CHEMICALS report a quiet week with business mainly confined to the filling of routine orders.

Crude Drugs

Beyond numerous inquiries for articles in short supply, dealers in CRUDE DRUGS have little to report. MENTHOL is of some interest on account of cheaper offers from Brazil, but no licences appear to be available at present. Among the scarce drugs, BENZOIN and RHUBARB are particularly wanted, and a high price is quoted for two cases of the latter that have come to light in the past few days. Part of the parcel of Curaçao ALOES mentioned last week has been sold, but it is understood that some quantity remains at the price mentioned. ANTIMONY is less plentiful on account of labour conditions. BISMUTH METAL continues in good demand at a steady price. CARDAMOMS varieties are quiet and at unchanged prices. CLOVES and other spice products are without quotable change on the week, with supplies not too plentiful. ERGOT is scarce and nominal. GUM ACACIA has a firm tendency, but it has not been necessary to raise the price. No changes have yet been notified for MERCURY, the price of which is controlled. As noted last week, firmer conditions obtain in India for NUX VOMICA owing to Canadian and American demand. Apart from a little

inquiry, conditions in the market imported SEEDS are without change.

Only moderate business is passing in ESSENTIAL OILS. Prices of the few outside the scope of the control scheme remain high, but the quantities involved are negligible.

Exchange Rates on London

The following is a list of Bank of England fixed rates at the opening on Wednesday morning:—

Centre	Quoted	September
*Alexandria	Piastres to £	97½-97½
Brussels	Francs to £	176½-177
*Chunking	Per \$	2½½-3½
Copenhagen	Kroner to £	19.32-19.
Dutch West Indies ..	Florins to £	7.58-7.6
Paris	Francs to £	199½-200
Lisbon	Escudos to £	99.80-100
Montreal	Dollars to £	4.43-4.4
New York	Dollars to £	4.02½-4.0
Stockholm	Kronor to £	16.85-16.
Zurich	Francs to £	17.30-17.

* Free market rates

Pharmaceutical Chemicals

ACETANILIDE.—No change in makers' quotation at 2s. 5d. per lb. for crystals and 2s. for powder.

ASPIRIN.—Prices per lb., for lots of 28 lb. 1 cwt., are as follows (containers in brackets): 4s. 1d. (1-lb.); 3s. 1½d. (4-lb.); 3s. 10d. (7-lb.); 3s. 10d. (14-lb.). Terms: Net 1 month.

ASPIRIN TABLETS.—Scales' per 1,000 bulk supplies are as follows: Under 5,000 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000, 2s. 9d.

BARIUM SULPHATE (x-ray).—Quoted at following rates per lb., for lots of 28 lb.—1 cwt. (containers in brackets): 1s. 5½d. (1-lb.); 1s. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. (14-lb.); 1s. 2d. (28-lb.).

CALAMINE, B.P.C.—Quoted at 1s. 8d. per lb. for 7-lb. lots and 1s. 6d. for 28-lb. lots.

CITRATES.—Makers' prices per lb. are as follows: POTASSIUM, in 28 lb.—1 cwt. (containers in brackets): 3s. 6½d. (1-lb.); 3s. 5d. (4-lb.); 3s. 4d. (7-lb.); 3s. 3½d. (14-lb.); 3s. 3d. (28-lb.); IRON and AMMONIUM (SCALE B.P.), is at 2d. per lb. above, and SODIUM is

per lb. below these prices. POTASSIUM and SODIUM POWDER, one penny per lb. extra.

DEINE.—Current prices per oz., for small are as follows: BASE.— $\frac{1}{2}$ oz., 55s. 3d.; 1 oz., 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 3d. HYDROCHLORIDE.— $\frac{1}{2}$ oz., 50s.; 1 oz., 6d.; 2 oz., 46s.; 3 oz., 45s. 3d.; 4 oz., 3d.

PHOSPHATE.— $\frac{1}{2}$ oz., 43s. 9d.; 1 oz., 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz., 3d.

XTROSE.—Current prices per lb., in lots 1 lb.—1 cwt., are as follows (containers in brackets): 1s. 2 $\frac{1}{2}$ d. (1-lb.); 1s. 1 $\frac{1}{2}$ d. (2-lb.); 2d. (4-lb.); 11 $\frac{1}{2}$ d. (7-lb.); 11 $\frac{1}{2}$ d. (14-lb.); 11 $\frac{1}{2}$ d. (28-lb.).

AMORPHINE.—Current rates per oz., for quantities, are as follows: BASE.— $\frac{1}{2}$ oz., 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., 9d.; 4 oz., 53s. 6d. HYDROCHLORIDE.—54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 50s. 3d.; 4 oz., 49s. 6d.; 4 oz., 49s. 3d.

ETINE.—British importers' prices are as follows: EMETINE HYDROCHLORIDE, U.S.P., 175s. 6d.; 4 oz., 178s.; 1 oz., 185s. EMETINE BISMUTH IODIDE, B.P. (Brazilian), 16 oz., 85s. 6d.; 4 oz. 87s.; 1 oz., 8d. per oz.; usual terms.

HYLMORPHINE.—Small quantities are quoted per oz. by makers as follows: BASE.—61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 3 oz., 56s. 9d.; 4 oz., 56s. 6d. HYDROCHLORIDE.—53s. 6d.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 48s. 6d.; 4 oz., 48s.

MATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 8s. 6d. (6s.). HYDROCHLORIDE, HYDROCHLORIDE and SULPHATE.—1 oz., 75s.; 4 oz., 16 oz., 65s. (3s. 2d.).

INE PREPARATIONS.—Prices per lb. for home market are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s.; 28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. SODIUM IODIDE, B.P.—112 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d.; 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. FORM, B.P.—28 lb., 12s. 10d.; 14 lb., 13d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smaller quantities, 17s. 2d. IODOFORM CRYSTALS.—28 lb. above powder prices. IODINE REMEDIAL, B.P.—112 lb., 10s. 4d.; 28 lb., 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d.; 4 lb., 13s. 9d.; smaller quantities, 14s. 6d.

STATES.—Prices are as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM TETRAPHOSPHATE.—Powder, small lots, 3s. 7d. per lb.; 28 lb., 3s. 4d.; 28-lb., 3s. 2d.; granular, one penny per lb. extra.

MAGNESIUM CARBONATE, LIGHT.—Makers' market prices per lb., in quantities of 1 lb.—1 cwt., are as follows (containers in brackets): 1s. 3 $\frac{1}{2}$ d. (1-lb.); 1s. 2d. (4-lb.); 1s. 1d. (7-lb.); 1s. 0 $\frac{1}{2}$ d. (14-lb.); 1s. (28-lb.). net one month.

MAGNESIUM TRISILICATE.—Home market prices per lb., for quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 3s. 9d. (1-lb.); 3s. 7 $\frac{1}{2}$ d. (4-lb.); 3s. 6 $\frac{1}{2}$ d. (7-lb.); 3s. 6d. (14-lb.); 3s. 5 $\frac{1}{2}$ d. (28-lb.). Prices net one month.

MANDELATES.—Makers' quotations are unchanged. SODIUM and CALCIUM.—4 oz., 8 oz., and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb., net. AMMONIUM (50 per cent. solution).—4 oz., 8 oz., and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9 $\frac{1}{2}$ d.; 7 lb., 9s. 10d.; 14 lb. (in 7-lb. packages), 8s. 11 $\frac{1}{2}$ d.; 28 lb. (in 7-lb. packages), 7s. 11d. per lb. net. Packages extra and returnable.

MANDELIC ACID.—In good demand; 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb. 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYL SALICYLATE.—Continues in good demand at unchanged prices. Smalls, 2s. 6d. per lb.; winchesters, 2s. 1 $\frac{1}{2}$ d.; 56 lb., in demijohns, 2s.; 1 cwt., in demijohns or carboys, 1s. 11 $\frac{1}{2}$ d.; 5 cwt., 1s. 11d. All prices net.

PILOCARPINE.—Makers quote at the following rates per oz.: BASE, 1 oz., 27s.; 4 oz., 21s. 3d.; 8 oz., 20s. 9d.; 25 oz., 20s. 3d. NITRATE, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

PHENOLPHTHALEIN.—Current rates are as follows: Less than 7 lb., 4s. 8d. per lb.; 7 lb., 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; 1 cwt., 4s. 4d.

POTASSIUM PERMANGANATE.—Current rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8 $\frac{1}{2}$ d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms quoted are net, carriage paid station, containers extra and returnable.

SALICYLIC ACID.—Quoted per lb. as follows, in lots of 28 lb.—1 cwt. (containers in brackets): 2s. 7d. (1-lb.); 2s. 5 $\frac{1}{2}$ d. (4-lb.); 2s. 4 $\frac{1}{2}$ d. (7-lb.); 2s. 4d. (14-lb.).

SANTONIN.—Prices per kilo are as follows (price per oz. in brackets): 25 kilos, £42 (23s. 10d.); 10 kilos, £43 (24s. 5d.); 5 kilos, £44 (24s. 11d.); 2-4 kilos, £45 (25s. 6d.); 1 kilo, £46 (26s. 11d.); 500 gm., £47 (26s. 8d.); 250 gm., £48 (27s. 3d.); 100 gm., £49 (27s. 9d.); smaller lots, £50 (28s. 4d.).

SODIUM SALICYLATE.—Makers' prices per lb., in quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 3s. 0 $\frac{1}{2}$ d. (1-lb.); 2s. 11d. (4-lb.); 2s. 10d. (7-lb.); 2s. 9 $\frac{1}{2}$ d. (14-lb.).

TERPINEOL.—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb. for use in antiseptics of the chloroxylenol type.

THEOBROMINE.—The following prices are ruling: ALKALOID.—Smalls, 44s. 6d. per lb.; 7 lb.—28 lb., 43s. SODIUM SALICYLATE.—Smalls, 26s. 6d.; 7-lb.—28 lb., 25s. 1d. Tins extra when supplied.

Crude Drugs

ALOES.—Curaçao continues on offer at 320s. per cwt., spot.

ANTIMONY.—Supplies are rather limited but no change has occurred in prices. English minimum 99 per cent. regulus, £112 10s. per ton, delivered; 70 per cent. crude, for the home trade, £90.

BELLADONNA.—Quotations for English herb are steady at 4s. 6d. per lb. Indian root, testing 0.25 per cent., would fetch 2s. 3d. per lb., if available.

BISMUTH.—A steady demand is in evidence for metal at the unchanged price of 6s. 3d. per lb. for minimum 5-cwt. lots.

CARDAMOMS.—Market quiet and unchanged. Aleppy greens quoted on spot at 5s. 6d. per lb., and Aleppy seed at 6s. 3d.

CHILLIES.—Mombasa, spot, 105s. per cwt.; West African, 105s.

CINNAMON CHIPS.—Quoted on spot at 2s. 2d. per lb., ex store London.

CLOVES.—Market continues quiet, with Zanzibar unchanged on spot at 1s. 5½d. per lb.; to arrive, 10½d., c.i.f.

COCHINEAL.—Silvers on spot are steady at the last-mentioned price of 5s. 9d. per lb.

DIGITALIS LEAVES.—In quiet demand at unchanged prices. Portuguese, spot, 140s. per cwt.; English, 2s. 6d. per lb.

ERGOT.—Not in good supply. Spot price for any available small lots would be 6s. 6d.

GUM ACACIA.—Market continues firm. Kordofan cleaned sorts, spot, 70s.; bleached, 175s.; Talha, cleaned, 47s. 6d.

HENBANE.—Indian, spot, 250s. per cwt., Egyptian (*muticus*), 85s.; Russian, 325s.

KAMALA.—Material testing 6 per cent. would be worth 2s. 6d. to 2s. 9d. per lb.

LIQURICE ROOT.—Turkish, afloat, 85s. per cwt., landed; shipment, 75s.

MALE FERN ROOT.—Indian root is quoted on spot at 77s. 6d. per cwt.

MENTHOL.—Brazilian continues to be offered at from 77s. to 82s. 6d. per lb. on spot. There are cheaper offers from Brazil for shipment, but no licences seem to be available at present. It is too early to forecast the position of the Chinese product.

MERCURY.—Official quotations range from £68 10s. to £69 15s. per flask, according to conditions and quality, with higher prices for smaller lots and redistilled grades.

NUX VOMICA.—As noted last week, firmer conditions obtain at source, with the c.i.f. price for Cochin in the region of 38s. to 40s. per cwt.

PEPPER.—Whole, not picked over or cleaned, on sale to processors, is officially priced at 1s. 4d. per lb. for white and 1s. per lb. for black.

PIMENTO.—Spot sellers are offering at 1s. 3½d. per lb.

QUASSIA CHIPS.—Spot, 38s. per cwt., ex store U.K.

QUILLAIA BARK.—Spot, natural, 90s. per cwt.; cut, 110s.

RHUBARB.—A small quantity of fair sound rough-round has come to light for which 27 per lb. is asked.

SEEDS.—Quiet conditions obtain, with 1 changes in quotations. Current rates are as follows: **CORIANDER.**—Indian, none available; price nominal at 92s. 6d. per cwt.; Russian fair amount here, but demand small, price 92s. 6d.; English, limited stocks, price 90s. 10 95s. per cwt. **CUMIN.**—Maltese, 120s., seller; Indian, same. **DILL.**—London, 85s.; Liverpool 80s. **FENNEL.**—Supplies exhausted, nominal. **FENUGREEK.**—London, 75s.; Hull, 70s.

SENNA.—Alexandrian hand-picked pods are scarce; price nominal at 4s. per lb. Good manufacturing Alexandrian pods, 2s. per lb.

STRAMONIUM LEAVES.—Dealers continue to quote at 80s. per cwt., spot.

STROPHANTHUS SEED.—Spot price of 10 per cent. Kombé remains at 7s. 6d. per lb.

TRAGACANTH.—Medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £11.

TURMERIC.—It is difficult to obtain quotations for bulk quantities. Good-coloured first powder is priced at 105s. to 110s. per cwt.

WAXES.—**BEES'.**—Prices of crude for the home trade were given in the C. & D., June 1, p. 570. **CANDELILLA.**—Spot, 242s. 6d. **CANAUBA.**—Fatty grey, spot, 510s.; chalky grey, spot, 495s.; prime yellow, spot, 600s. medium yellow, 590s. **OURICURI.**—Spot, 320 to 350s., according to quality; shipment 285s., c.i.f.

Essential and Expressed Oils

CASTOR.—Official prices for bulk supplies are as follows: "Firsts," £82 per ton; "seconds," £80, both prices naked ex works.

CLOVE.—English-distilled oil is firm at 12s. 6d. to 13s. per lb., according to quality.

COTTONSEED.—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d. washed, £55 5s.; refined edible, £57; refined deodorised, £58 per ton; all varieties are quoted naked ex works.

NUTMEG.—In short supply at about 55s. to 60s. per lb.

OLIVE (EDIBLE).—The price charged to the wholesaler by the importers is 25s. 9d. per gallon, ex store. Prices charged by wholesalers to retailers are agreed by the Ministry of Food as follows: 33s. 6d. per gallon, in 1-gallon loan cans; 34s. 3d. per gallon, in ½-gallon loan cans; 35s. per gallon, in 1-quart loan cans; 36s. per gallon, in 1-pint loan cans.

COMMERCIAL NOTES

Sicilian Citric Acid.—Exports of citric acid from Sicily totalled 5,300 quintals in 1944.

Madagascar Vanilla Beans.—The vanilla crop in Madagascar in 1944 is understood to have totalled 338 metric tons.

Nicaraguan Chemicals Imports.—Imports of chemicals, pharmaceuticals and allied products into Nicaragua in 1944 were valued at \$1,603,452.

French Moroccan Olive Crop.—A disappointing olive oil crop is reported in French Morocco, and some refineries have had to be closed.

Citric Acid for New Zealand.—Applications for licences to import citric acid from the United Kingdom will be considered on regular importers.

D.D.T. in South Africa.—It is reported that a factory with sufficient capacity for supplying the Union's requirements of D.D.T. is expected to be completed soon.

French West Africa Quinine Experiments.—An experimental station for the study of the production of quinine has been established in French West Africa. It is estimated that this territory will be able to satisfy its needs for quinine in about ten years' time.

Sulphonamides in Brazil.—The patents and privileges for the preparation and use of sulphonamides and their derivatives, which had been suspended since January 1944, were restored on May 21. Sphapyridine and sulphathiazole are the sulphonamides mainly affected by the new decree.

British Honduras Proprietary Medicines Scrutiny.—British Honduras import permits for proprietary medicines will in future be subject to strict scrutiny in an effort further to conserve vital exchange. Permission to import will be granted only for those proprietary medicines which are considered essential for the welfare of the public.

Hydroponics in Dutch West Indies.—A hydroponic unit of thirty-six beds, each 3 ft. wide by 100 ft. long, has been completed in Aruba. Experiments with the growth of twenty-five different types of potato plants are being conducted to determine the variety most suitable to local conditions, and other experiments are being made with string beans and other green vegetables.

TRADE MARKS

(From "The Trade Marks Journal," August 22)

APPLICATIONS AMENDED AFTER ADVERTISEMENT

Specification No. 632,301, by Bayer Products, Ltd., should be altered so as to read: "Pharmaceutical preparations of bismuth subgallate in powder form, for export."

REGISTERED USERS OF REGISTERED TRADE MARKS, ENTERED IN THE REGISTER IN RESPECT OF THE GOODS STATED, WITHOUT LIMIT OF PERIOD, SUBJECT TO THE CONDITIONS OR RESTRICTIONS PRINTED IN ITALICS.

Specifications Nos. 286,723, 507,533, 507,711, 508,509-10, 509,352-53, 514,230, 543,725, 581,617-18, by Stemco, Ltd.—*The trade mark is to be used by the Registered User in relation to the goods only if they have been manufactured in accordance with instructions given by the Registered Proprietor from time to time, and only so long as the Registered Proprietor has the right and is permitted to inspect the goods, before distribution and sale, on the premises of the Registered User, and has the right to be and is supplied by the Registered User with samples of the goods on request, and only so long as Standard Oil Co. (New Jersey) owns the greater part of the share capital of both the Registered Proprietor and Stanco Inc. and Stanco Inc. owns the greater part of the share capital of the Registered User.*

CONVERSION OF SPECIFICATIONS

Section 36 (3) and Rules 6-8.

To Schedule IV (with amalgamation).

Specification No. 259,248, by Lever Brothers Port Sunlight, Ltd., for disinfectant soap.

(From "The Trade Marks Journal," September 5)

"GLOBE BRAND" under design of globe and scroll bearing words "Per Totum Mundum Equitate Cogniti"; for chemicals for preserving foodstuffs, photographic chemicals and analytical chemicals (1). By Wright, Layman & Umney, Ltd., 44-50 Southwark Street, London, S.E.1. 634,645 (Associated).

"WINNETHEN"; for all goods (2). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Buckinghamshire. 630,944 (Associated).

"TRIVAN"; for soaps, toilet preparations, etc. (3) and for all goods (5). By Trinity Laboratories, Ltd., Brook House, Old Mill Street, Blackburn. 634,930-31 (Associated).

"VITADREN"; for pharmaceutical preparations for treatment of human respiratory diseases (5). By Vitaproducts (London), Ltd., 142 The Grove, Stratford, London, E.15. 632,003.

"SANTELL"; for pharmaceutical substances for human and veterinary use and for sanitary substances and disinfectants (5). By G. & W. Collins, Ltd., 23-49 Tontine Street, St. Helens, Lancashire. B633,865.

CORRESPONDENCE

Employee Organisation

SIR,—We would like to draw the attention of pharmacist employees to a meeting to be held at 17 Bloomsbury Square, London, W.C.1, on Thursday, September 20, at 7.30 p.m., and to say the meeting is of vital interest to pharmacists in hospital service, in retail, and in manufacturing; to pharmacists already members of craft organisations or trade unions; and to the many pharmacists who do not belong to any. The basis of organisation of the National Pharmaceutical Employees' Council which this meeting inaugurates should be the existing branches of the Society. In many areas there are also branches of the N.P.U. and there should therefore also be branches of the National Pharmaceutical Employees' Council.

The objects for which this Council will stand are as follows:—

(a) To foster the welfare of the Society and to promote the interests of the profession;

(b) To co-operate with the N.P.U. in giving the public the best service and to assure adequate remuneration for this service;

(c) To act on behalf of employee members in any negotiations with Government bodies;

(d) To protect the interests of pharmacists employed in all sections of the profession;

(e) To nominate the employee members of the Joint Industrial Council, and to demand representation on the Joint Committee.

(f) To secure adequate representation on the Society's Council by putting forward its candidates standing as a group.

It is of the greatest importance that all the present organisations should make the attempt to *get together and form a united front*. There is no question of hindering or invalidating the recruitment of pharmacist employees into the various trade unions and craft organisations; on the contrary. But there are many pharmacist employees who do not wish to join any of the existing organisations and who thus remain outside the field of employee negotiations. It is to this very large section that a special appeal is made. The Council is non-political, its objects non-political.

We cannot go forward with the plans made unless we receive the mandate from employee-members of the Society. The meeting is being held with a member of

the Society's Council (Mr. J. F. McNea) in the chair. We ask all members of the Society who can attend the meeting to do so and thus help achieve craft unionism for Pharmacists who cannot attend, but in sympathy with the objects of the meeting, can help by sending a postcard to the organising committee, 25 St. Margate Road, Edgware, Middlesex.

G. H. ARMITAGE.	MARY C. ISLIP.
F. H. CONNELLY.	W. E. PHILLIPS.
H. DAVIS.	J. ROSS-MANSEY.
R. H. HENRIKSEN.	MICHAEL TRAVIS.

West of Scotland N.H.I. Affairs

SIR,—An informal meeting was recently between delegates from the Glasgow Burgh Pharmaceutical Committee representative from Ayr, and the Lanarkshire Pharmaceutical Committee to discuss National Health Insurance affairs in the West of Scotland. It was agreed that:—

1. The representation of the West of Scotland on the General Council of Panel Chemists and the Standing Committee was inadequate.

2. The Standing Committee had failed to deal with perfectly *bona-fide* complaints from the West of Scotland.

3. There were seats on the General Council of Panel Chemists and the Standing Committee being occupied by representatives of non-functioning Pharmaceutical Committees, a position which should not be tolerated.

4. The position of *ex-officio* members of the Standing Committee should be reviewed.

I was requested to arrange for the chairman and secretary of each Pharmaceutical Committee in the West of Scotland to meet in Glasgow on a suitable date early in November to discuss this matter fully and decide what action was to be taken. In the meantime Pharmaceutical Committees were asked to obtain copies of the constitution of the General Council of Panel Chemists from Dr. Tait and make any representations on the points raised. The unsatisfactory remuneration for N.H.I. work and anomalies of the Drug Tariff will also be discussed. I would welcome any suggestions regarding date and time of meeting in November (telephone: Govan 291) when definite arrangements are made, I will communicate with each secretary in the area.

J. M. WILLIAMSON, (Secretary)
Glasgow Burgh Pharmaceutical Committee

WE thank all our friends for their patience during these War years. Controls, Restrictions and Labour shortage have been severe handicaps to us, but excuses are a poor substitute for goods.

We have done our best, but although at the present moment the labour position is not satisfactory, we hope that before so very long we may be in a better position to give full service.

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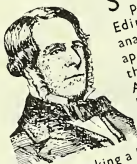
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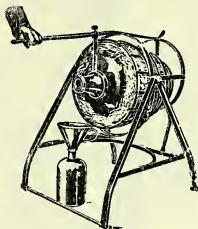
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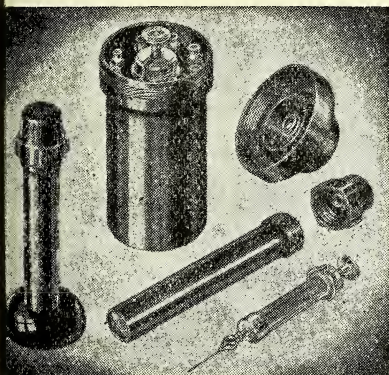
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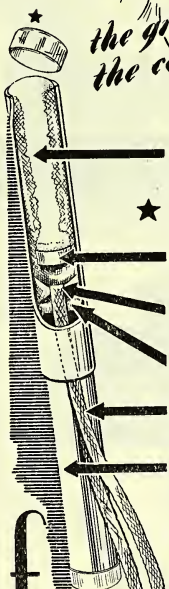
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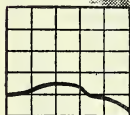
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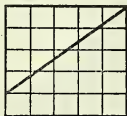
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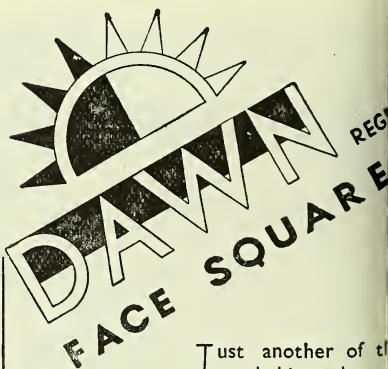
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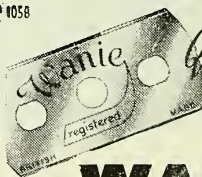
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SEPTEMBER 15
1945

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